

Manufacturers Record

Exponent of America



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Baltimore, Md.
JULY 16, 1925

The Income Tax Question Again.

Class legislation in this country is a political evil of far-reaching influence. In our Government classes should not be known. The people as a whole should be considered without regard to distinctions as to whether they belong to this class or that, or whether they possess a fortune or not.

So long as the people of moderate means, or without means, are taught by legislation that they must mulct the man who by his work has accumulated a competence while they escape income taxation, so long will we have a dangerously growing spirit of evil. The poor man is protected by the Government to the same degree as the rich man. His life and his opportunity of employment are safeguarded, and the only difference, so far as the Government is concerned, between him and the rich man is that one has not accumulated wealth and the other has. But each should be treated exactly alike by legislation.

So long as the income tax law stands, every man and woman, rich or poor, should be required to make an income tax return. The tax on the poor man's income would be so small that he would scarcely miss it, for it would be less than he and his children are constantly spending on moving pictures or kindred money-wasting schemes. He would, however, get a better idea of his responsibility to the Government and of what the Government means to him. In a plan of this kind many millions of taxpayers would be added to the list, and the burden of taxation would be spread over such a vast population that no one would feel it keenly if it was wisely administered.

It is impossible to legislate against the rich man without legislating against the poor man. Indeed, the legislation against the rich man hurts the poor man more than it hurts the rich man, for the latter can in one way or another escape taxation by quitting business, thus depriving the country of his constructive, upbuilding activities. But when he quits business and spends his time on the golf field or in Europe the country is the loser by the loss of his constructive work, and the poor man finds fewer opportunities for employment.

The real benefactor of this country, or of any other, is the man who creates employment for labor. He who builds a factory or opens a mine, he who builds a dwelling or does any other work which increases the demand for employment, is rendering a service of value to mankind even if he only does it from a selfish standpoint.

Our national policy should be to do everything possible to encourage these creators of new industries, creators of wealth, and thus creators of employment, to devote their time and energy and wealth to broadening the field of human activities. But our income tax law as it now stands, instead of being a creator of prosperity and employment, is a destroyer of both. It destroys income; it destroys the spirit of work; it sends men into idleness when for the good of the country they should be carrying on their greatest constructive activities.

Let us right-about-face on the income tax question and make it obligatory that everyone in the country shall make a sworn report as to his or her income and pay his proportionate amount. This would take the poor man out of the pauperized class—for the Government is pauperizing him when it gives him a dole in this way—and lift him to the relative level of the rich man. Financially it would eventually benefit the whole country. It would put everybody on the same level. It would so increase the available income that it would result in bringing about a steady decrease in the rate of income taxation. Moreover, it would do more than any other one thing to bridge the gulf over which the rich man and the poor man could meet on the same level. The poor man should resent being pauperized by not being allowed to pay his proportion of the cost of his Government.

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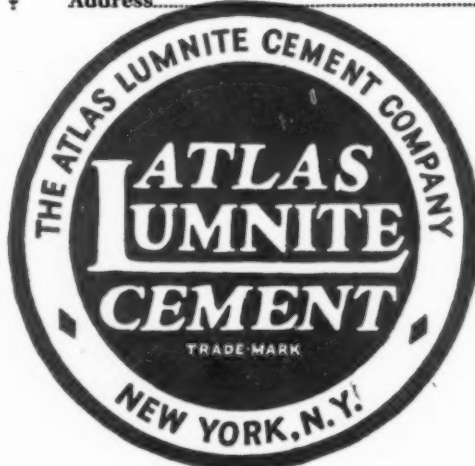
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JULY 16, 1925

Manufacturers Record

EXPONENT OF AMERICA

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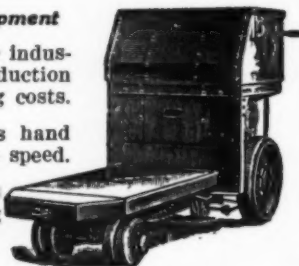
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Manufacturers Record

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Vol. LXXXVIII No. 3 }
Weekly }

BALTIMORE, JULY 16, 1925.

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In This Issue.

The vastness of our manufacturing interests, with an output of over \$60,000,000,000 a year in value, makes a study of everything bearing on this subject of interest to business people everywhere.

The Tremendous Development of Our Manufacturing Interests.

The South has been making what many papers are pleased to call "amazing progress" in industrial development, but really the amazing thing in this connection is that the South is still so far behind the leading Eastern and Western states in the amount of capital invested and the value of manufacturing output.

As shown elsewhere in this issue, the state of New York alone has a larger total value of manufactured output than the entire South. This is not, however, a reflection upon the South. It only serves to indicate the limitless field for expansion. In New England, where natural resources for most lines of industry are wholly lacking, there has been an industrial development so amazing, so stupendous that what that section and what leading states in the Central and Western region are doing should serve as an inspiration to indicate what the South can do and what it will do. The field for expansion, based on natural resources, is practically boundless, and now that the real development of the industrial and mineral interests of the South is under way no one can set a limit to the progress of the South during the coming years. The statistics given, showing what every state in the country is doing in industrial progress, as measured by capital invested and by the value of the product, can be studied with an especial advantage by the people of the whole South in order that they may catch a vision of what this section will do when in proportion to its natural resources it matches the industrial development of other sections.

Throughout the country there is a widespread demand for lower surtaxes. Our income taxation is based largely on errors. It creates distrust of the Government, it produces antagonism to the ever-recurring investigations of all income tax payments which go on year after year apparently without end. One auditor passes on an income-tax report and the taxpayer thinks that ends his trouble for that particular year. But three or four or five years hence other auditors come along hoping to be able to prove their importance to the service by devising new ways of investigating these income accounts.

So long as we have an income tax it should be as simple as possible. Once passed on by the Government, the report should be accepted as final unless intentional fraud is discovered. The people who have to make these income-tax

returns comprise a comparatively small part of our population. The rest of the people know nothing about the difficulties, know nothing about the endless questions that have to be answered, and they pay no income tax. The injustice of this is apparent to everyone who will study the situation.

Every man and woman in the country should be required to make an income-tax return, and however small the amount of taxes that millions would pay, the value to the country would be greater than the cost, for it would teach *all* the people to understand the income-tax situation and the evils of it. It is doubtful if any legislator will have the moral courage to propose such a bill until the whole country has been made to realize the importance of it, and thus be prepared to back up such legislation.

In the meantime, income taxation, and especially surtaxes, should be reduced to the utmost extent that is possible. Every tax on large incomes is simply a burden added to the poorer people of the country who pay no income tax direct, but who pay the heaviest income tax indirectly. These heavy surtaxes lessen business activity and cause corporations and people of wealth to restrain their activities to the great disadvantage of the poorer people, who are thus made to feel the lack of employment. Cut from all the people of wealth and large corporations the galling chain of heavy income taxation and there would come a new burst of business prosperity throughout the land to the good of the laboring people and the farmers to a greater extent than to the rich man and the big corporation.

These facts, which are discussed on the cover page of this issue, are worthy of consideration.

There is very wide interest in freight rates. Constant claims are being made that freight rates are too high in many cases, and are destructive of some lines of agriculture and of other business activities.

Can Railroad Freight Rates Be Scientifically Adjusted to the Good of the Country and the Protection of the Railroads?

The railroad people do not agree with this view. The subject, however, is one which all the people, railroad officials of all degrees and the people generally, should study from every angle and in perfect fairness of mind, in order to see if there is not some basis for readjustments which would be thoroughly protective of railroad interests and at the same time protective of the business interests which suffer under the present freight rates. This investigation should also take into consideration everything which now forms the basis of justified criticism against many shortcomings of railroads in dealing with the public.

Two letters on this subject, both written by men long iden-

tified with railroad operation and now connected with the freight traffic work of other organizations, present the situation in such a way as to demand consideration on the part of railroad officials. Our pages are open to a free and frank discussion of this issue by railroad officials and by experts in the handling of traffic. In the attrition of mind against mind in a discussion of this kind only good can come, and railroad officials should freely and frankly welcome the most wide-open discussion of all of these questions.

The first college in the world to confer degrees on women was Wesleyan College of Macon, Ga., which began to do this in 1840. That action was typical of the educational activity

The South Led the World's Educational Forces in Conferring Degrees on Women.

typical of the spirit the South has always maintained in educational work, harassed as it was for many years after 1865 by the tremendous burden of the Civil War and Reconstruction days. Perhaps no better illustration of the general trend of business and educational activity in the South could be given than the eight-page story in this week's issue on Macon, Ga., telling of some of the things in the early life of that city and bringing the story down to the present time.

A question of vital interest which is commanding much attention in the Carolinas, and likewise in the Federal Reserve Board, is: Shall a branch of the Richmond Federal

Federal Reserve Board Opposed to Establishment of a Branch of the Richmond Federal Reserve Bank in the Carolinas.

Reserve Bank be established somewhere in the Carolinas? The argument in behalf of such a move is strongly presented by W. H. Wood, president of the American Trust Company, Charlotte, who is chairman of the North Carolina Branch Bank Committee which is handling the matter, while the view of the Federal Reserve Board, or at least of the majority of its members, is given in this issue as voiced in a discussion of the subject with a representative of the MANUFACTURERS RECORD. Instead of increasing the number of branch banks, the disposition of the Board is stated as being decidedly in favor of decreasing the number of branch banks. As to whether the Board has definitely decided to kill off some branches, and if so which ones, no information is given; but the whole discussion of the subject is extremely interesting and important.

Nearly twenty-five pages of this week's issue are given to reports of industrial and financial constructive enterprises throughout the South. Condensed as much as possible, the

A Wide Diversity of Information.

facts thus given take up a very large proportion of every issue of the MANUFACTURERS RECORD, but nothing in the paper is more strikingly suggestive of the magnitude of the industrial and building development which is going on throughout the South. Turn to these pages and one will find hundreds, and indeed in the aggregate thousands, of items pertaining to the erection of buildings, the construction of roads and streets, the establishment of manufacturing plants, the organization of banks and the building of great hotels, bank and office structures and dwellings. These pages form a very mirror, reflecting the increasing prosperity of the South. As one turns page after page of this issue of the MANUFACTURERS RECORD he can but be impressed with the wide variety of subjects discussed by men of affairs. B. F. Yoakum, for instance, a railroad and financial expert, presents his reasons why

Europe's debts should be paid, and illustrates the way in which he thinks France and other countries could accomplish this. There are other letters, pro and con, on the same subject, all of which are interesting and instructive.

This subject, which for some weeks has been interestingly discussed by various writers, giving their views through this paper, continues to attract increasing attention. The pros and cons are equally as earnest and doubtless equally as sincere in their views. Some of the

Shall the Debts to the United States of Our Allies Be Cancelled?

letters on the subject published today are interesting and informing. They are bound to command wide attention whether one agrees with the views expressed or not.

THE MONKEYS ARE A-MONKEYING IN MONKEY TOWN WITH MONKEY BUSINESS.

ANY self-respecting monkey of the jungles of Africa, if he were able intelligently to think, would feel chagrined to believe that monkeys were the progenitors of the people in and around Monkey Town at the present time, for whether they are making monkeys of themselves or not, they are certainly making fools of themselves. The wide publicity which they have succeeded in developing for a lack of something of greater interest or more importance for the columns of the daily papers gives them a publicity in which they float and glory.

Because a preacher who does not believe in Christ being the Son of God is invited to preach in a church founded on that belief, and because the congregation refuses to permit him to use the church for his defense of the monkeys, wild press dispatches were sent out to the newspapers of the land. Well may we repeat the old saying, "What fools these mortals be!" And the biggest of the lot seem to be the monkey-making crowd at Dayton. The asininity of some of the Dayton crowd and of many of the correspondents who are filling the newspapers of the land with the veriest slush is enough to make mirth even in the lower regions. May Heaven save the nation not so much from the genuine monkey in the jungles of Africa as from the men who, whether monkeys are their progenitors or not, at least have descended to monkeyish activities, and apparently with brains equally as efficient as that of the monkey who swings by his tail in the wilds of Africa!

Out with the whole kit and caboodle!

MR. BRYAN'S MISTAKE.

Bryan lists evolution controversy as the "battle of the century." Which century?—*Wall Street Journal*.

Nothing that Bryan or Darrow says will have any real influence on eternal verities. Those who, because they have not discerned spiritual truths mock at them, will not be influenced by the rantings of Darrow, and those who have will not need Bryan's oratory. In thinking this whole monkey business at Dayton is vital Mr. Bryan makes a sad mistake.

MAYHAP, if more time were devoted in the public schools to teaching spelling, reading, writing, arithmetic, geography, history and the United States Constitution, there would be less opportunity for the teaching of evolution and other theories as "facts," and less time for propaganda of the "Youth Movement" and other doctrines destructive to the mental, physical and moral health of the rising generation.

The German I. G. Running True to Form.

DURING the war the American people came to understand more clearly than before, though they do not yet fully understand, the vital importance to their prosperity, welfare and happiness in peace, and security against war or threat of war, of a strong and prosperous chemical dye industry. The importance of a protective tariff to enable us to establish such an industry in the face of German competition was also understood; so well understood, in fact, that in spite of the opposition of powerful elements that call themselves American—and some that sincerely believe themselves good Americans—we provided for a protective tariff to run for five years. Probably the foes of a protective tariff on principle believed it was better to have one limited to five years than one set to run indefinitely, while the German interests that had so vigorously, though covertly, opposed our protective policy, probably believed five years would be too short a time to enable our infant dye industry to grow to a size capable of competing with the immense, seasoned and unified dye interests of Germany. If they did, they were sadly mistaken, for not only are we now able, with the highest protective tariff removed, to compete with Germany and supply about 94 per cent of our own needs in dyes, but we are making, in many colors, better dyes than the Germans, and we are meeting the Germans successfully in foreign competition in some fields.

Facing this state of affairs, the German dye makers have adopted tactics in no way resembling fair and legitimate competition, and continue to move heaven and earth to kill off our dye industry and again monopolize our dye markets—and, incidentally, make themselves our masters in the manufacture of poison gas and, therefore, in case of war, our conquerors.

One of their schemes is to buy up American dye plants with American dollars supplied by unsuspecting American investors and, through them, conduct a ruinous trade war with the remaining American dye plants. What difference to German purchasers if their American plants fail to show a profit and eventually, go to the wall? The losers will be the American investors. Other losers will be the other dye companies, who will have suffered by the competition, and some one of the remaining plants, thus weakened, can presumably be bought up in the same manner, at a small price, and the cut-throat competition continued until our weakened dye interests fall an easy prey to the German overseas competition. It is a clever scheme, and ought to work well—if Americans are as stupid in this as they sometimes appear to be in other things. Hugh Farrel, writing in the *New York Commercial*, reports that the I. G.—the German Chemical Trust—has already obtained partial control of one American dye plant and has been negotiating for the purchase of an important plant in the middle West. "It is possible," he says, "that this deal has been completed, that the I. G. is now fully in control of a very important factor in the American industry."

Another plan that the I. G. has been trying on a world-wide scale, and apparently with a decided measure of success in this country, was described for the *MANUFACTURERS RECORD* last September by Richard Woods Edmonds in an article on "The World Struggle for the Dye Markets," that is perfectly applicable to the present situation. This plan takes the shape of a trade alliance with competitors in foreign countries, whereby the foreign competitor will be relieved of the burden of maintaining a research department by having access to the researches of the German I. G., in return for

which the foreign competitor agrees to limit its operations to a specified territory, leaving all other territory open to German competition. Said Mr. Edmonds:

"The objects of all these agreements are to give the German dye makers a share of the profits of their competitors; and second, to confine these competitors in their export business, each to a certain restricted territory, thus leaving Germany almost a world-wide field in which competitors are reduced to a minimum.

"There are some interesting and significant aspects to these agreements. The German industry, with its present annual capacity of 250,000,000 pounds, many years of experience and the organization in foreign fields as a single unit, rather overshadows the combined industries of its competitors, with their annual capacity of 264,000,000 pounds, lack of experience and division between six nations in each of which it is subdivided into smaller competitive units. Does it appear probable that the German industry, with a capacity greater than the world's needs, has concluded its agreements with competitors in order to put them on their feet and make them independent of German assistance and invincible to German competition? Does it seem likely that the experts sent out by the German manufacturers will solve the problems of their competitors with the same whole-hearted enthusiasm with which they would solve the problems of the German industry? Or that they will overlook any advances their competitors may have made independently of the Germans? It is easy to understand that the German industry may be in much the same condition of a bear after a year's hibernation; may feel the need of some of the profits its competitors are making from the trade formerly its own, and may, in addition, seek gradually to eliminate research and experimental development in other lands. But it is difficult to believe the German dye makers have taken this move without seeing some further profits to themselves than the mere sharing of profits for a few years and the saving of a bit of the cost of research. A consideration of the strategic points of the situation may throw light on the plans of the Germans.

"With the secrets of its competitors in its possession, with its coffers refilled from their profits, and with most if not all of them restricted, each to a specified territory beyond which they have no customers and no understanding of the requirements and the market conditions, while the German products go into many quarters of the globe, will it not be an easy matter for the German industry to carry on a small, local campaign of underselling in the territory of, say, the Bianchi Company, in Italy and the Italian colonies until that company, exhausted by the struggle, surrendered and retired from the field? And having captured that field, and having raised its prices there to a profitable level, could the German industry not then turn to some other restricted market and repeat the same performance, while the captured territory and the waiting victims pay the bill? This looks like a beautifully simple and extremely formidable plan."

One cannot help the reflection that any company foolish enough to enter into such an agreement could scarcely be expected to long maintain its existence even outside of the agreement. Nevertheless, it is lamentable to see large units of our vitally important dye industry eliminated for any reason. Research—patient, exhaustive, unremitting research—is the very life of the dye industry as it is of any other chemical industry, and the Germans know this well enough to maintain their expensive research laboratories even in their present straitened circumstances. The coal-tar dye industry that depends upon German competitors for its research will be in a position to be left like a fish stranded on the beach by the receding tide whenever the Germans decide it is far enough from low water to be so left.

This is not a matter of interest for the dye makers and the dye users alone. It bears upon the peace-time welfare, prosperity and happiness, as well as the war-time security, of every citizen of the United States.

STILL another blessing of the evolution theory is that it places the white man in the same category with the black man, the brown man, the yellow man and the red man.

MORE PROOF OF AN AMERICAN RED MOVEMENT.

ALMOST coincidentally with Independence Day and Defense Day came to the MANUFACTURERS RECORD a four-page leaflet, "Don't Mobilize for Morgan!" signed by "Workers Party of America, William Z. Foster, chairman; C. E. Ruthenberg, executive secretary; Young Workers League of America, John Williamson, secretary." For this we are indebted to the National Clay Products Industries Association, H. A. Jung, commissioner, which also sends a copy of its patriotic warning to members and friends against the Communist movement now working, apparently without national or state objection, to overthrow the Government of the United States by bloodshed.

What is the Workers Party? The answer is given on the fourth page of the leaflet: "The Workers (Communist) Party of America"—it is a Communist organization. And to whom does it directly and fervently appeal to enlist in the armed rebellion against the American Government and all civilization which it is striving to incite?

"To all working class organizations we appeal to unite with us in joint mass-meeting and demonstrations during Anti-Imperialist Week.

"We invite trade unions, the Socialist party, the I. W. W., the Proletarian party and all Farmer-Labor parties to present a common front with us on this issue.

"We invite negroes and representatives of negro organizations to speak with us from the same platform.

"And especially do we extend our fraternal appeal to all members of the Chinese Kuo Min Tang party and to Filipinos and Latin-Americans in the United States.

"A united struggle of the working class with all the oppressed peoples of the world will put an end to capitalist rule and usher in the dawn of a society free from oppression of class by class or race by race or nation by nation."

Such is the "workers' organization, which preaches the doctrine of discontent and sows seed of discord throughout the United States without objection or protest from officials of the United States, of various states and numerous cities, who have sworn a solemn oath to protect the Government against treason and sedition.

So, Anti-Imperialist Week, June 29 to July 4, designed specifically to offset and discount the patriotic Defense Day proclaimed by the President of the United States, marked the first activities of a new Red organization, the All-America Anti-Imperialist League. The names of the officers are not given in the leaflet, but the signatures of Foster and Ruthenberg seem sufficient to stamp it as an enterprise of sedition and treason. The nature of the organization and the character of its sponsors may be learned at a glance in the following paragraph in the leaflet:

"The revolutionary working class must be the champion of every oppressed people. **OUR DEAD COMRADE LENINE** (caps ours) emphasized time and again that no people can be free that oppresses others. The struggle of the American workers and that of the oppressed nations is one. * * * The Workers (Communist) Party of America takes up the call of the All-America Anti-Imperialist League in a spirit of comradeship and **REVOLUTIONARY DUTY.**"

Inadvertently, however, the authors of this leaflet disclose one conspicuous cause for unrest in labor circles, especially union labor; it pays its respects to the labor "leaders" who exploit labor for their own personal profit and aggrandizement in the following excerpts:

"The complacent \$10,000-a-year labor 'leaders' are themselves enjoying the fruits of imperialism—the extravagant profits, wrung from the toil of colonial and semi-colonial peoples, enable the imperialists to share a small portion with the so-called aristocracy of labor, a form of bribe-money, of which the labor fakery are the first to take advantage. * * * These labor leaders do not live the lives of workers. They do not represent the real interests of the workers."

Never was American labor more sorely beset, especially

organized labor—exploited on the one hand by Reds and on the other by selfish "leaders." Its salvation, however, rests entirely in its own hands; either it can continue to submit to the domination of its Brindells and the Fosters, or it can throw off the chains which now bind it.

In his note to the MANUFACTURERS RECORD, Mr. Jung says that "100,000 of these Communist manifestoes went through the mails and by American Railway Express in bundle lots over the entire country." We do not doubt it. Sworn officials of the United States Government encourage such treasonable organizations and such manifestoes by granting them the use of the United States mails and other public transportation facilities and by permitting their movement for a rebellion of bloodshed to go forward virtually without protest or opposition. Sworn officials of various states follow this example; the sworn officials of many municipal governments, likewise. Above all, a large proportion of the press of the land aids these treason-workers, at least indirectly, by deprecating absolute proof that a Red movement is seeking to undermine the United States Government, by assuming a sympathetic attitude to such men as Foster and Ruthenberg, and by preaching a false doctrine of "free speech" and "personal liberty" beyond legitimate limits.

In its patriotic effort to combat the Red movement in the United States the National Clay Products Industries Association is doing a righteous work, but—and we say this in profound sorrow—observation evokes fear that it will find just as much opposition in the passiveness of national, state and local governments as it will find in the militant aggressiveness of the treasonable organizations now so active.

A GREAT WORK FOR INCREASING NATION-WIDE LOVE BETWEEN ALL SECTIONS.

IN the career of virtually every reputable newspaper or periodical may be found at least one constructive achievement to which it may point with pride, almost as in itself sufficient to justify the publication's birth and existence. In probably 99 per cent of such cases this achievement has been of a material nature—for physical relief of the suffering, for the construction of some great project, for the stimulation of industry or sport or science, each a worthy object in itself, but usually of material benefit.

To the editor and staff of the Atlanta Journal must be given the credit for a spiritual and patriotic achievement unprecedented, in its way, in the history of American journalism. For to the initiative of Harry Stillwell Edwards of the Journal staff is due the idea of the Stone Mountain Memorial coin recently struck off on an order from Congress in tribute to the "Valor of the Soldiers of the South," while Major John S. Cohen, the editor, devised the plan for a wide distribution of the coins to "a cross-section of the United States census."

Intrinsically, or as a medium of exchange, this coin was worth half a dollar; its value hardly can be computed as a "gracious token of a single-hearted America," designed to "strengthen anew the personal friendships as well as the public good-will that binds the land of Lincoln to the land of Lee," as the Journal phrased it in its distribution greeting.

The profound, spiritual and patriotic effect was almost instantaneous. First explaining that in sending coins to the "editors, publishers, officials of the Government, members of Congress, business connections of every kind, politicians, officeholders, professionals, bankers, philanthropists and people in private life" in this "cross-section of the United States census," the Journal did not ask—it may be did not expect—replies, Mr. Edwards adds:

"But, what did follow was a flood of letters breathing a

spirit of patriotism so deep, a love and sympathy for the South so pure and unrestrained that every reader was overwhelmed with emotion. It was as though the unguessed heart of America, touched to the center, had opened to the sun as the rose opens, declaring the splendor of its treasures to the world. * * * On the Journal's page of today is indisputable proof that Congress and the President spoke for the heart of America when this coin 'to commemorate the valor of the soldiers of the South' was authorized; for not in any response is there a note out of harmony with the hymn of peace which today echoes in every quarter of a reunited land."

For instance, in "Yankee" New England, the Boston Post says that "nothing has happened since the surrender at Appomattox that more vividly shows that the Civil War is now but history" than the minting of this coin, and that "this 'Confederate money' visualizes the national unity which was so patriotically and humanely symbolized in the World War." Representative George S. Graham of Pennsylvania, sponsor of the measure which in 1914 removed all disabilities from graduates of West Point and Annapolis who served in the Confederate forces, says that he "always has yearned for a cordial union, individual reconciliation and loving loyalty, cementing all parts of the 'land of Lincoln and the land of Lee.'" A fine sentiment is expressed by T. E. Moser of Utica, N. Y., who says: "This little token from you may impress some folks as just a detail, but to me it so impresses me as to make me again intensely satisfied that I am an American and have the privilege of living and working in America." L. B. Jones of the Eastman Kodak Company feels that it is "godp to one who was born just after the war, and remembers the feeling of those days, to see the obliteration of the Mason and Dixon line."

Among others expressing similar sentiments may be found Judge Alton B. Parker and John W. Davis, candidates for the Presidency of the United States; Secretary of Commerce Hoover, Justice McReynolds of the Supreme Court of the United States, Representative Henry St. George Tucker of Virginia, Frank W. Stearns of Massachusetts, intimate friend of President Coolidge; Charles A. Peabody, president of the Mutual Life Insurance Company, and, literally, scores of men and women prominent in professional, industrial, commercial and financial circles throughout the land.

In thus laying the keystone in the great reunion of the South and the North, the Atlanta Journal has achieved a national blessing of tremendous value, and has won the gratitude of "The Republic, one and indivisible," as it once was, is now and ever will remain.

YOUR SYMPATHY INVOKED.

"God preserve this country from fools and silly nuts, as well as criminals. We don't want bootleggers, but we don't want radical fools either; one is as bad as the other."

"We presume this anonymous coward would class the MANUFACTURERS RECORD as one of the silly fools not wanted any more than criminals. But we venture to say that the writer of that anonymous letter is not only a coward but is a bootlegger or a drinker of bootlegger's stuff. If not, why did he fail to have the courage to sign his letter?"

The foregoing in the MANUFACTURERS RECORD of July 2 has brought forth the following anonymous letter, we presume from the same coward who feared to sign his first letter. He writes as follows:

"The fools and fanatics have done more damage to this good old U. S. A. than all the bootleggers ever born or booze manufactured. The fool-killer died in the last yellow fever epidemic is the only reason for writers of such claptrap being alive now. I think you would do well to confine your efforts to the industrial affairs of the country and not mix up with the fanatics and bigots. Since you do, there will be no renewal of subscription when mine expires."

Will our readers please weep with us over the prospective loss of this subscription?

CONGRESSMEN GUESTS OF JAPAN.

IN view of the tremendous activity of Japan in international affairs and its conspicuous friendliness toward Germany and Mexico, the fact may be of more than passing interest that eleven members of the National House of Representatives, cruising on a Navy vessel in Pacific waters, accepted an invitation of the Japanese Minister of Marine to visit that country. In fact, more than one feature in connection with this tour of the statesmen is of interest to the American people.

For one thing, this party, traveling on the naval transport Chaumont, was supposed to be "on an inspection of the defenses of the Philippines," yet only one member of this defense-inspection party is a member of either the Military Affairs or the Naval Affairs Committee. The party visits Japan as Congressional guests of that nation, yet only one member is a member of the Committee on Foreign Affairs.

The members of this party and their committee assignments are as follows:

Charles R. Crisp, Georgia—Ways and Means.
S. D. McReynolds, Tennessee—Claims, Expenditures of the Interior Department, Immigration and Nationalization.
Luther A. Johnson, Texas—Civil Service, Flood Control, Labor, Pensions.
James T. Begg, Ohio—Foreign Affairs.
Marvin Jones, Texas—Agriculture.
Otis Wingo, Arkansas—Banking and Currency, Investigate Alleged Charges Against Two Members.
Maurice H. Thatcher, Kentucky—Appropriations.
David H. Kincheloe, Kentucky—Agriculture.
Ralph Gilbert, Kentucky—Accounts, District of Columbia, Library.
Walter F. Lineberger, California—Rivers and Harbors, Investigate Shipping Board.
Daniel E. Garrett, Texas—Military Affairs.

The Japanese, it is understood, are a most hospitable folk, when the spirit so moves them, and we have no doubt that "a good time was had by all."

THE INCOME TAX LAW.

WRITING of the recent MANUFACTURERS RECORD cover-page editorial on the income-tax law as it now stands, F. Y. Ponder of Wichita Falls, Texas, says:

"The income-tax law is unconstitutional on two counts. You know them, of course. I believe that a sales tax would be fair to all alike; at least, more equitable than the income tax. The graduated tax is clearly class legislation."

In a letter on the same subject, Geo. W. Gerlach of Jersey City writes as follows:

"I cannot allow the opportunity to pass without congratulating you on the courage, foresight and truth in the editorial which you published on the front cover of your June 18 edition. It requires a moral fortitude at times to express the truth.

"There should be no class distinction, and any citizen exercising the right of citizenship should be not only willing but desirous to contribute his share to the Government's expense in proportion to his earnings. As it is, the system is unfair and inefficient; it is notorious that the very wealthy man has placed his funds in tax-exempt securities. There are a number of business men who, through inefficient and lax methods, 'estimate' their earnings and escape their share.

"It is the unfortunate wage-earner, whose income is reported from the source, who pays more than his share of the expense, and the great industries which are deprived of reinvesting surplus funds for expansion, for the prudent business man realizes that one good year does not denote a succession of others and that the surplus profits of this year may be required to offset a deficit of next year. With the Government, it's heads I win, tails you lose. If he is taxed on a successful year, they don't reimburse him for a loss the succeeding year, and in a game like this there is only one end.

"If you will permit me to paraphrase the title of your editorial, I will say, 'The Power to Tax Unjustly and Unequitably Is Not the Ideal of the Democracy.'"

FLORIDA SHOULD GIVE MORE ATTENTION TO INDUSTRIAL DEVELOPMENT.

THAT Florida will continue to be one of the outstanding centers of business activity, that it will continue to draw an ever-increasing throng of people as permanent residents, and pre-eminently of the tourist and winter home-seeking class, there cannot be any question whatever in the minds of sensible people.

The advantages of Florida are in some respects unlike those of any other state in the Union. It is the only place outside of California which has so far commanded the attention of so many thousands of well-to-do people and of the extremely rich, who want a winter home away from the bitter cold of the North and West, with the dangers to health involved in the biting blizzards of these sections.

Florida will continue to grow industrially and agriculturally. Its agricultural development is, we think, just beginning. Its industrial development is quite certain to become a dominant factor in its future, but there are dangers in the way of industrial progress. The boom in land values will make it difficult, unless there is some halting, for industrial interests to secure desirable sites except at practically prohibitive prices. In other parts of the South thriving towns and communities are co-operating with industrial interests in enabling them to secure sites at low prices, and often the sites are given without cost. These states are recognizing that industrial development is essential to their permanent progress, and they are putting forth their best efforts to bring about an increase of manufacturing interests.

Florida cannot pursue the same policy unless its people begin to take hold of the situation and make certain that industrial enterprises can find desirable sites at a small cost, or, as in many other states, without cost. We know of one enterprise that for months has been seeking a satisfactory location in Florida, but which in every community visited has found the cost of land entirely too high to justify locating there. The thought of the people of Florida must be turned away from wild land speculation to the consideration of industrial and general business development. At the moment too much attention is being concentrated upon speculation in town lots. The "boom" is on and the temperature is entirely too high for the good of the state in the long run. The country is being flooded with some of the wildest literature ever issued, offering every imaginable proposition to hundreds of thousands of people throughout the country to buy this, that or the other in Florida. Here and there \$10 lots are being offered in such a way as to make the uninformed believe that the ownership even of such a lot somewhere in the wilds of the state will in time bring fortune.

There is too much of this spirit rampant throughout the state. It calls for serious, sane consideration on the part of those who have the real good of Florida at heart. A letter just received from a gentleman in a Florida town says:

"If you want to see a horse race, the Chicago wheat pit and the New York Stock Exchange all in operation at one time, you should come to — and see the real estate excitement on the main street."

This condition is not healthy. The most enthusiastic friend of Florida, the most enthusiastic believer in the vast possibilities of its future and in the permanent enhancement in the value of much of its real estate, cannot view a situation of this kind without feeling that it is being overdone. It is true that the Florida activity is entirely unique. It is unlike anything else the country has ever seen. But rampant speculation which grows too wild, whether it be in the Stock Exchange or in the wheat pit, cannot last indefinitely. Inevitably there comes a halting period, and the long wait for the next boom in stocks, or in wheat, and the man who gets

wiped out is the man who has ventured too far and who has not the financial strength to live through periods of depression.

All who are interested in Florida in any shape or form should take this lesson to heart.

THE FEDERAL COUNCIL OF CHURCHES AGAIN.

AS blithely and unconcernedly as though its true character were not becoming widely known, the Federal Council of Churches comes to the front with a press publicity "handout" brazenly, though indirectly, repeating its false assertion that it officially represents "communions with a total of more than 20,000,000 adult members." Announcement is made of a conference at Chautauqua, July 20 to 25, "called by leaders from communions with a total of more than 20,000,000 adult members," and as this announcement was made by Dr. Sidney L. Gulick, secretary of the Commission on International Justice and Goodwill, a subsidiary of the Federal Council, the parent body may be held responsible for the assertion.

In the course of an article, May 7, last, disclosing the character of the Federal Council of the Churches and the disloyal records, careers and connections of some of its officials, the MANUFACTURERS RECORD said:

"On the facts thus far presented the MANUFACTURERS RECORD feels free to assert:

"The Federal Council of the Churches of Christ and its subsidiary Commission on the Church and Social Service are radical organizations, managed largely by active radicals.

"The Federal Council of the Churches of Christ is not qualified or authorized or empowered to represent or speak for 20,000,000 members of Protestant churches. The Baptist churches of the South, for instance, have absolutely refused to be connected with that organization."

The MANUFACTURERS RECORD might add much to these conclusions, but they may suffice for the present.

SMALLER PRODUCTION OF MANY CROPS POSSIBLE THIS YEAR.

MANY of the major crops as listed in the accompanying table show a decline in possible production this year, based on conditions of July 2, compared with 1924. The outstanding feature of the Government's July crop report is the estimated production of corn for this year of 3,095,000,000 bushels. According to this forecast, the corn crop in 1925 will be about 658,000,000 bushels, or 27 per cent larger than the production of 1924 and 160,000,000 bushels more than the five-year average production of 1920-1924.

Commenting on the increased acreage of corn this year, the Department of Agriculture states that among the various causes leading to the increase of 1.5 per cent in corn area are the high price of corn, the tendency of farmers to raise crops that do not need hired labor, and a restoration of the usual corn acreage partly lost in some states last year on account of a cold, wet, late spring. Much acreage upon which small grains and hay crops perished from the rigors of winter or the spring drouths was later planted to corn, and considerable hay and pasture land has also gone into corn. A tendency to increase feed crops for feeding to livestock is given as another reason for increasing corn acreage. Decreased corn acreage is reported from the drouth-stricken area in the Southwest.

A total production of 679,590,000 bushels of wheat is estimated from the condition on July 1, including 403,851,000 bushels for winter wheat and of 275,739,000 bushels for spring wheat. Compared with the estimates from conditions on June 1, winter wheat loses 3,305,000 bushels, spring wheat

gains 22,010,000 bushels, and the two combined are larger than the estimate for June 1 by 18,714,000 bushels.

The oat crop has been much damaged by drouth and heat, and the production will be considerably below average. In some sections the straw is too short to be cut with binders and mowing machines will be used. In the case of early planted oats, the heads are short and the number of grains less than normal.

As often happens following a year of excess production of a crop, the acreage of potatoes this year has suffered an extreme reduction. The estimate of 3,453,000 acres of potatoes this year is not only much lower than in 1924, but is the lowest since 1907. Drouth at planting time contributed to the reduction. The indicated production of 349,566,000 bushels, based upon conditions on July 1, is the lowest since the crop of 322,867,000 bushels in 1919.

The transplanting of tobacco was somewhat checked by drouth, and this caused a reduction of acreage below what it would otherwise have been. The estimated area this year, 1,693,000 acres, is 1.1 per cent below that of last year.

The season has been unfavorable for fruit production throughout most of the country, except on the Pacific Coast. In that region the gain in peaches, pears and grapes over last year is more than sufficient to offset the decrease in the rest of the country and is nearly sufficient to do so in the case of commercial apples, though not for all apples.

ESTIMATED PRODUCTION OF PRINCIPAL CROPS FOR 1925.

Crop	Forecast	Harvested	
	July 1, 1925	1924	5-year-aver. 1920-1924
Winter wheat, bushels...	404,000,000	590,000,000	592,000,000
Spring wheat, bushels...	276,000,000	283,000,000	245,000,000
All wheat, bushels.....	680,000,000	873,000,000	837,000,000
Corn, bushels.....	3,095,000,000	2,437,000,000	2,935,000,000
Oats, bushels.....	1,292,000,000	1,542,000,000	1,328,000,000
Barley, bushels.....	208,000,000	188,000,000	182,000,000
Rye, bushels.....	54,100,000	63,400,000	70,400,000
Flaxseed, bushels.....	26,100,000	30,200,000	15,300,000
Rice, bushels.....	38,100,000	34,000,000	39,800,000
Potatoes, white, bushels...	350,000,000	455,000,000	418,000,000
Sweet potatoes, bushels...	87,600,000	71,900,000	96,200,000
Tobacco, pounds.....	1,283,000,000	1,241,000,000	1,331,000,000
Hay, tame, tons.....	78,400,000	98,000,000	91,000,000
Hay, wild, tons.....	14,200,000	14,500,000	16,200,000
Hay, all, tons.....	92,600,000	112,000,000	107,000,000
Apples, total crop, bushels	157,000,000	179,000,000	181,000,000
Apples, com'l crop, barrels	29,200,000	28,600,000	30,400,000
Peaches, total crop, bus..	46,800,000	53,100,000	46,500,000
Pears, total crop, bushels	17,300,000	18,600,000	17,100,000
Grapes, tons.....	2,350,000	1,780,000	2,070,000
Sorghum syrup, gallons...	30,900,000	27,300,000	38,200,000
Peanuts, pounds.....	627,000,000	616,000,000	714,000,000

NOT IN THE SOUTH.

WHEN people foolishly imagine that as soon as they cross the Mason and Dixon line they are in the tropics, let them read what the Bridgeport (Conn.) News says of the heat up there. Here it is in all its sizzling truth:

"The electric fan drones industriously, the ice tinkles in tall glasses—but still it's hot. Beads of perspiration persist in popping out on your face, and your collar is in a sad state of collapse. Some heartless friend persists in reading aloud the cheerful items on the front page of the paper concerning the numerous deaths from heat prostration all over the country, and, turning over to the next page, discourses on the grave dangers of a water famine. Outside the green, the pretty green grass that was springing up so verdantly a few weeks ago, is looking dry and lifeless and wilted. You know if you don't water it it will die, and if you do water it you may be using water that some suffering neighbor needs to wash his face.

"You drink another glass of ice-water, mop your brow and, drawn as though by a magnet, you turn again to the thermometer and see the mercury just below the 100-mark. There are instruments that weakly assert that it's 92 when everybody knows it's hot enough to fry an egg on the sidewalk. A passing acquaintance brutally asks, 'Is it hot enough for you?' and an equally pestiferous human calamity grabs

you by the nape and insists on explaining that it's not the heat but the humidity.

"Your dog lies drooping on the doorstep, his dry tongue hanging out, stirring himself once in awhile to shake off flies and mosquitoes that annoy him. It's the good old summertime. It's the time the poets and song-writers praise. And, remember, it's the time you were wishing for four or five months ago when you woke up and found that snow on the ground and your radiator frozen and your water pipes busted. You remember how you wished so fervently for summertime. Well, it is here. Say, is it hot enough for you?"

That's the way, up North and in the West—freeze to death in winter and burn to death in summer. Come South and be saved from the two extremes.

GERMANY'S RESUSCITATION INJURING GREAT BRITAIN.

THE English are insisting that China must be pacified, because it interferes with commerce to have these sentimental uprisings. The sad thing is that the disregard for the rights of the Chinese during so many decades should have engendered a spirit of antipathy to all Christian peoples. It is not helpful to the spread of civilization, of that civilization which is based on Christianity, to found our propaganda on economic advantage. The methods of brutality practiced by the peoples of the West have not accorded with the doctrine of love preached by the missionaries. The opium crime committed against the helpless Chinese has not given them a high opinion of the Christian civilization.

The public expressions of the British regarding this latest uprising, which is founded in a growing self-consciousness of the more intelligent portion of the people, have occasioned regret in many quarters. They have seen in the revolt only an interference with commerce. It was commercial advantage that caused the British also to take the wrong side in the long controversy between France and Germany over reparations. Persistently, it was the restoration of Germany's buying power that was sought, without considering the basic reasons of the Great War, which were the preservation of our civilization.

It was perfectly plain to anyone watching the pitiful spectacle of England allowing France to suffer without reparation for the damage that had been her bitter sacrifice to civilization that Germany would not become the customer that was hoped. The thing that has followed was evident from the first, namely, that, in so far as Germany returns toward normal economic life, she cuts into British trade as a rival. The resuscitation of Germany has caused an immediate depression in the British coal trade, paralyzing some of the larger British mines, and Germany is underselling England in iron and steel manufactures throughout the world.

The way to success is to respect the rights of others. Commerce in China is not won by subjecting the Chinese to decades of indignities and to bombardment to rescind self-protective decrees. Neither is trade helped by deserting an ally and aiding a ruthless enemy. This is worthy of consideration by us, for, whatever we may think of ourselves, there are other nations that see in us the wanton spirit of the imperialist.

Our proper sphere is in the Western Hemisphere, and it is our first duty to consider our neighbors, to assist them when necessary, and to refrain from annexations and international insults. Our spirit toward all Latin America must undergo a radical change if we are to retain their friendship and co-operation. If it is commerce that we are after, it is first needful to cultivate friendship, and to observe our treaties to the letter, and to go with a feeling of kindness and respect for the Latin-Americans, and become brothers with them. If we are not imperialistic, then let us drop the imperialistic attitude.

The Manufacturing Interests of the United States.

EVERY STATE REPORTED GAIN IN MANUFACTURED PRODUCTS IN 1923 COMPARED WITH 1921.

For several months the Census Bureau has been issuing preliminary figures giving the census of manufactures of various states for 1923. Some weeks ago the MANUFACTURERS RECORD compiled and published some of these figures which were taken from preliminary reports on manufacturing in various Southern states. In order that each state and section of the country may be able to compare what has been done in manufacturing with other states and sections, the accompanying table has been prepared so as to outline the 1923 industrial census for each state and each geographical division in the United States. Though these preliminary reports show that the number of industrial establishments in the country has practically stood still since 1921, at which time the number of manufacturing plants in the country decreased sharply compared with the 1919 census, the number of average wage-earners and the value of products increased over 1921.

The 1923 and 1921 census embraced all plants in the United States having an annual production of \$5000 or more. According to these preliminary state reports the value of all manufactured products in 1923 amounted to \$60,450,000,000, or a gain of 38.5 per cent, compared with the \$43,653,000,000 worth of manufactured goods in 1921. Comparable figures for 1919 and 1914, omitting all plants producing less than \$5000 annually and automobile repair shops, show that the value of manufactured products in 1923 was 2.6 per cent less than the \$62,041,000,000 reported during the boom period of 1919 but the 1923 output was 152 per cent greater than the \$23,987,000,000 reported in 1914.

Secretary Hoover, in reviewing business conditions of the past year, states that the manufacturing census taken for the year 1923 "brings out vividly the rapid progress in industrial efficiency and in elimination of economic waste during recent years. The figures for 1923 when reduced to a quantitative basis (in order to avoid the effect of decreased purchasing power of the dollar) show that our manufacturing output has increased by fully 60 per cent over that of 1914. It also shows a gain over 1919. Against this large increase in products the number of wage-earners increased by about 25 per cent as between 1914 and 1923, and it is interesting to note that the horsepower used increased 50 per cent in the same period. Wages for 1923 and 1924 were generally maintained at about 100 per cent higher than in 1913, and with the cost of living on a basis of about 70 per cent over the pre-war level our labor is receiving a large share of the result of this increased efficiency in the highest real wages of our history. The higher real wage has been expressed both in advancing standards of living and in greater savings on the part of the masses of the population."

The number of establishments in 1923 was 196,340, compared with 196,267 in 1921, 214,383 in 1919 and 177,110 in 1914. The average number of wage-earners employed in 1923 was 8,779,367, an increase of 26.4 per cent, compared with the 6,946,570 in 1921. The average number of wage-earners reported in 1919 was 9,000,059, while 6,896,190 were reported in 1914. The small increase in the number of establishments reporting in 1923 compared with 1921 was due in part to consolidations, for the term "establishment" means that one or more separate plants may be owned or under the control of one management and therefore counted as one establishment in the census returns, but the small increase in number in 1923 and the great decrease since 1919 is the direct result of the readjustment after the war activity intensified to a striking degree by the wrecking of many enterprises following the deflation of 1920 and 1921. During the war years many plants were expanded out of all proportion to normal

growth in the country's demands, and, therefore, when some plants are reporting only 50 or 70 per cent capacity they are still operating greatly in excess of normal production requirements of past years as indicated by the increased value of manufactured products in 1923, which almost reached wartime values, when billions of dollars of manufactured products went directly to the service of war.

The South as a whole fared better than any other section of the country except the Pacific Coast in the increase in the number of manufacturing establishments, and this was achieved in spite of many consolidations of plants in textile centers which have been brought under one ownership and therefore count as one establishment instead of several as formerly listed. The South increased its establishments in 1923 over 1921 by 1.5 per cent, compared with 0.2 per cent increase in New England, a decrease of 1.7 per cent in the Middle Atlantic states, an increase of 1 per cent in the East North-Central states, a decrease of 4.9 per cent in the West North-Central states, and a decrease of 1 per cent in the Mountain states of the Far West.

New York and Pennsylvania are the leading industrial states of the country, leaving New England states far behind. Massachusetts was the only New England state to report an increase in the number of establishments in 1923. New York increased its establishments by 0.2 per cent, while Pennsylvania reported a loss of 6 per cent in the number of establishments; but the value of New York's manufactures in 1923 increased only 28.5 per cent, against an increase of 47 per cent in Pennsylvania. Ohio, Illinois and Michigan followed in order New York and Pennsylvania in the value of manufactured products. Massachusetts is sixth in manufactured output.

The value of New England's manufactured products in 1923 was \$6,432,649,000, or an increase of 31.2 per cent, compared with 1921, while the value of the manufactured products of the Middle Atlantic states in 1923 was \$19,849,555,000, an increase of 35.3 per cent, and the value of the manufactured products of the East North-Central states was \$17,711,780,000, or an increase of 50 per cent over 1921.

A study of these preliminary figures shows that while the South made substantial progress in manufacturing, it has a long way to go before it can match the great development of the industrial regions of the country today. The value of the manufactured products of the South in 1923 was \$9,461,688,000, or an increase of 37.5 per cent, compared with 1921. Considering that outside of the South most people have a hazy idea that the South is purely an agricultural region, a gigantic cotton field with a few cotton factories scattered about, and that Florida is a winter resort and land-speculating region, the South's nearly nine and a half billion dollars of manufactured products, and the more than a billion and a half dollars paid out annually in industrial wages, certainly entitles it to rank as an important industrial section. Excepting the industrial centers of the East and middle West, the South produces more manufactured goods than any other region of the country. Then, too, the industrial development of the South, it must not be forgotten, is practically in its infancy. There is a tendency of many large industrialists to get away from the congested centers and to establish plants where labor and other conditions offer better advantages, and these advantages are found in the Southern states.

New England is accepted generally in the public mind as being a manufacturing region, but the value of all manufactured products in New England in 1923 was only 68 per cent of what the South produced that year. However, the South does not stand out as well when comparison is made

with the great industrial state of New York, which reported 38,187 establishments with an output valued at \$8,960,693,000, compared with the 37,343 establishments in the South producing \$9,461,688,000 of goods. The four states of New York,

Pennsylvania, Ohio and Illinois in 1923 reported manufactured products having an aggregate value of \$26,487,325,000, which is nearly 44 per cent of the country's total and \$2,499,000,000 more than the total value of all manufactured prod-

MANUFACTURING IN THE UNITED STATES, BY STATES AND GEOGRAPHICAL DIVISIONS, IN 1923 COMPARED WITH 1921.

(Establishments having an annual production valued at \$5000 and over. Figures for 1923 preliminary.)

States and geographical divisions	Number of establishments			Value of products			Wage earners (average number)			Wages paid		
	Census 1921	Census 1923	Per cent increase	Census 1921	Census 1923	Per cent increase	Census 1921	Census 1923	Per cent increase	Census 1921	Census 1923	Per cent increase
Alabama	1,855	1,993	7.4	\$302,809,000	\$541,718,625	78.9	82,748	109,520	32.4	\$66,747,000	\$95,757,727	43.5
Arkansas	1,289	1,231	-4.5	119,029,000	173,085,207	45.4	33,431	44,544	33.2	27,804,000	37,865,864	36.2
District of Columbia	490	609	22.4	67,639,000	73,107,854	8.1	8,640	9,823	13.7	12,955,000	14,795,722	14.2
Florida	1,720	1,690	-1.7	145,821,000	188,258,384	29.1	53,289	65,038	22.0	42,734,000	52,356,618	22.5
Georgia	2,809	3,057	8.8	381,296,000	604,449,555	58.5	98,264	137,383	39.8	69,916,000	92,243,788	31.9
Kentucky	2,038	1,975	-3.1	302,742,000	427,089,796	41.1	58,840	76,836	30.6	62,636,000	82,647,889	31.9
Louisiana	1,851	1,781	-3.8	479,100,000	624,682,620	30.4	85,170	94,597	11.1	76,761,000	83,030,577	8.1
Maryland	3,128	3,168	1.3	637,574,000	903,405,512	41.7	107,085	129,837	21.2	110,485,000	136,275,410	23.3
Mississippi	1,116	1,235	10.7	114,084,000	178,581,729	56.5	42,222	54,333	28.7	30,197,000	40,018,853	32.5
Missouri	5,442	5,292	-2.8	1,162,006,000	1,547,167,429	33.1	156,384	196,693	25.8	182,897,000	228,014,986	24.7
North Carolina	2,602	2,670	2.6	665,118,000	951,910,599	43.1	135,833	173,687	27.9	94,235,000	127,543,821	35.3
Oklahoma	1,398	1,243	-11.1	283,764,000	315,197,148	11.1	22,241	25,488	14.6	29,532,000	33,068,705	12.0
South Carolina	1,107	1,180	6.7	236,421,000	360,445,737	52.5	76,251	96,802	27.0	51,410,000	64,753,457	26.0
Tennessee	2,245	2,307	2.8	374,038,000	555,252,759	48.4	75,446	106,504	41.2	65,741,000	92,481,539	40.7
Texas	3,566	3,694	3.6	842,438,000	979,667,812	16.3	88,707	102,358	15.4	103,946,000	111,461,949	7.2
Virginia	2,570	2,740	6.6	454,261,000	548,158,896	20.7	88,555	111,578	26.0	85,063,000	104,686,099	23.1
West Virginia	1,550	1,487	-4.1	310,423,000	489,508,462	57.7	60,536	85,661	41.5	78,549,000	109,926,810	39.9
Total South.....	36,776	37,343	1.5	\$6,878,563,000	\$9,461,688,124	37.5	1,273,642	1,620,682	27.3	\$1,191,608,000	\$1,506,929,823	26.5
Maine	1,761	1,642	-6.1	\$339,562,000	\$402,650,267	18.6	75,710	83,327	10.1	\$83,429,000	\$91,854,368	10.1
New Hampshire	1,122	1,080	-3.7	246,346,000	333,124,503	35.2	67,416	75,324	11.7	67,893,000	79,073,889	16.5
Vermont	1,101	1,021	-7.3	113,904,000	149,951,623	31.6	25,767	30,784	19.5	28,068,000	34,695,484	23.6
Massachusetts	9,994	10,531	5.4	2,849,414,000	3,583,205,344	25.8	579,071	667,758	15.3	641,361,000	798,267,701	24.5
Rhode Island	1,759	1,692	-3.8	517,118,000	675,425,020	30.6	112,745	134,667	19.4	119,414,000	150,499,859	26.0
Connecticut	3,320	3,130	-5.7	836,164,000	1,288,292,600	54.1	210,990	263,160	24.7	221,126,000	314,832,582	42.4
New England States	19,057	19,096	0.2	\$4,902,508,000	\$6,432,649,357	31.2	1,071,699	1,255,020	17.1	\$1,161,291,000	\$1,469,223,883	26.5
New York	38,107	38,187	0.2	\$6,973,506,000	\$8,960,693,128	28.5	1,000,414	1,150,901	15.0	\$1,301,421,000	\$1,582,005,519	21.4
New Jersey	8,784	8,766	-0.2	2,556,143,000	3,321,301,524	29.0	381,773	447,948	17.3	460,471,000	578,909,234	25.7
Pennsylvania	20,290	19,053	-6.0	5,059,009,000	7,438,609,142	47.0	863,917	1,095,066	26.8	1,006,856,000	1,450,826,374	44.1
Delaware	460	453	-1.5	86,756,000	128,951,304	48.6	17,754	23,188	30.6	19,596,000	27,368,652	40.0
Middle Atlantic States	67,641	66,461	-1.7	\$14,675,414,000	\$19,849,555,098	35.3	2,263,858	2,717,103	20.0	\$2,788,344,000	\$3,639,199,779	30.5
Ohio	11,479	11,196	-2.5	\$3,300,693,000	\$5,046,504,133	52.9	494,288	699,031	41.4	\$627,033,000	\$979,659,869	56.2
Indiana	5,109	4,909	-3.9	1,377,772,000	2,031,821,938	47.5	206,534	291,131	41.0	251,456,000	374,509,629	48.9
Illinois	13,952	14,348	2.8	3,705,380,000	5,041,519,545	36.1	513,876	645,448	25.6	701,530,000	913,326,203	30.2
Michigan	5,718	5,698	-0.3	2,206,230,000	3,870,434,161	75.4	304,471	503,492	65.4	419,969,000	768,659,249	83.0
Wisconsin	7,291	7,834	7.4	1,214,861,000	1,721,501,052	41.7	191,770	247,757	29.2	214,140,000	297,428,889	38.9
East North Central States	43,549	43,985	1.0	\$11,804,936,000	\$17,711,780,829	50.0	1,710,939	2,386,859	39.5	\$2,214,128,000	\$3,333,583,839	50.6
Minnesota	4,080	3,902	-4.6	\$850,447,000	\$968,476,565	13.9	85,804	103,344	20.4	\$107,250,000	\$125,710,684	17.2
Iowa	3,527	3,420	-3.0	521,446,000	690,042,714	32.3	62,274	77,842	25.0	78,546,000	94,206,205	20.0
North Dakota	388	340	-12.4	36,358,000	42,145,471	15.9	3,107	3,551	14.3	4,669,000	5,134,350	10.0
South Dakota	574	489	-14.8	41,558,000	47,320,901	13.9	4,635	5,146	11.0	6,350,000	6,210,607	-2.2
Nebraska	1,390	1,377	-0.9	333,565,000	415,015,844	24.4	27,653	31,267	13.1	37,395,000	39,760,667	6.3
Kansas	1,926	1,786	-7.3	561,134,000	605,037,334	7.8	44,938	51,255	14.1	59,208,000	65,056,339	9.9
West North Central States	11,804	11,314	-4.9	\$2,344,508,000	\$2,768,038,829	18.1	228,413	272,405	19.3	\$293,418,000	\$336,078,852	14.5
Montana	571	679	18.9	\$80,771,000	\$175,007,157	116.7	11,384	15,943	40.0	\$16,791,000	\$24,540,317	46.1
Idaho	485	510	5.2	57,068,000	87,428,909	53.2	10,783	16,347	51.6	15,183,000	22,886,215	50.7
Wyoming	254	246	-3.2	80,247,000	110,631,659	37.9	7,254	7,457	2.8	13,890,000	12,501,584	-10.0
Colorado	1,491	1,377	-7.6	221,324,000	255,182,504	15.3	27,625	31,226	13.0	38,612,000	40,652,745	5.3
New Mexico	194	186	-4.1	13,897,000	20,422,126	47.0	4,477	5,459	21.9	4,880,000	6,483,635	32.9
Arizona	269	286	6.3	39,110,000	123,377,206	215.5	4,774	9,008	88.7	6,809,000	12,635,070	85.6
Utah	645	586	-9.1	111,055,000	191,586,226	72.5	13,310	15,901	19.5	18,392,000	19,783,915	7.6
Nevada	107	104	-2.8	13,371,000	22,242,524	66.4	2,393	4,665	94.9	4,020,000	7,795,029	93.9
Mountain States...	4,016	3,974	-1.0	\$616,843,000	\$985,878,311	59.8	82,000	106,006	29.3	\$118,577,000	\$147,278,510	24.2
Washington	2,908	3,032	4.3	\$448,165,000	\$660,538,407	47.4	77,518	111,662	44.0	\$99,191,000	\$156,434,842	57.7
Oregon	1,730	1,907	10.2	223,664,000	363,912,328	62.7	40,167	62,655	56.0	49,395,000	81,768,700	65.5
California	8,696	9,228	6.1	1,758,682,000	2,216,639,248	26.0	198,334	246,975	24.5	284,373,000	353,265,303	24.2
Pacific States.....	13,324	14,167	6.2	\$2,430,511,000	\$3,241,089,983	33.4	316,019	421,292	33.3	\$432,959,000	\$591,408,845	36.6
Total United States	196,267	196,340	...	\$43,653,283,000	\$60,450,680,531	38.5	6,946,570	8,779,367	26.4	\$8,200,325,000	\$11,023,703,531	34.4

*-Decrease.

ucts in the entire country in 1914. Therefore, it is seen that while the South, considered an agricultural region, is growing industrially, there is limitless room for expansion.

The South has accomplished much and is expanding industrially, but the MANUFACTURERS RECORD in citing the foregoing facts about the growth of manufacturing in other sections of the country hopes thereby that the South will quicken its pace when it realizes what vast resources are at hand and how little in proportion they are being utilized to the advantage of the South and the country.

Some Southern Income Tax Figures.

Atlanta, July 13—[Special.]—Georgia leads the states of the Southeast in the individual ownership and distribution of wealth, according to the latest figures issued by the Treasury Department in Washington, the number of individual tax returns made in five of the Southern states being: Georgia, 71,341; North Carolina, 68,191; Florida, 49,591; Alabama, 31,049; South Carolina, 28,225. An interesting feature of this table is the rise of Florida, which has the smallest population of any of the 13 Southern states considered, to third place in the number of income-tax payers.

In total tax returns Georgia yields first place to North Carolina by a small margin, standing second in the amount of taxable incomes returned. The figures show: North Carolina, \$232,861,410; Georgia, \$223,729,676; Alabama, \$159,433,325; Florida, \$168,128,523; South Carolina, \$95,204,234. The rise of Florida to fourth place is also worthy of note.

Apparently, the figures show Georgia as the Empire State of the central South, as far as money is concerned, despite the boll weevil, negro migration and the financial depression of the past five years.

\$1,400,000 Hotel for Virginia Beach.

Details are being arranged for the erection of a new hotel at Virginia Beach, Va., which will entail a cost of approximately \$1,400,000, including site, furnishings and carrying charges. The structure will be erected by the Virginia Beach Resort & Hotel Corporation, which has been organized with N. D. Maher of Norfolk and Roanoke, as president. Plans have been completed for financing the new hotel.

Tentative plans for the building provide a central unit with wings on either side, the wings to form an oblique angle with the central unit, providing a large court in the front of the structure. The hotel will contain about 200 guest rooms, public and private dining rooms, fountain room, parlors, ballrooms and lounge, with open verandas. Space will also be provided for several specialty shops.

The J. G. White Engineering Corporation of New York will probably supervise engineering and construction details.

Whatever the Verdict at Dayton, It Will Not Change Those Who Believe in the Old Paths, He Says.

Nocatee, Fla., July 7.

Editor Manufacturers Record:

I don't want to trouble you so often, but when I see an article in the MANUFACTURERS RECORD that hits the spot I can hardly hold in.

As you say in your issue of July 2, Bainbridge Colby takes himself too seriously. Right the first crack! That evolution fight in Tennessee surely doesn't show any great minds.

So far as the writer is concerned he certainly did not spring from a monkey. He believes that man came from the hand of God, and while man has made wondrous strides, materially, intellectually, scientifically and in other ways, yet I do not believe we ever came from an atom that infested the swamps of bygone ages.

Nay, I stand on the fact that a Supreme Power made man in His image, and upon this teaching this Government was founded. Upon that fact this Government must be based always if it is to stand, and the day we cease to call upon that Supreme Power that day we shall have started downward to the rocks of oblivion.

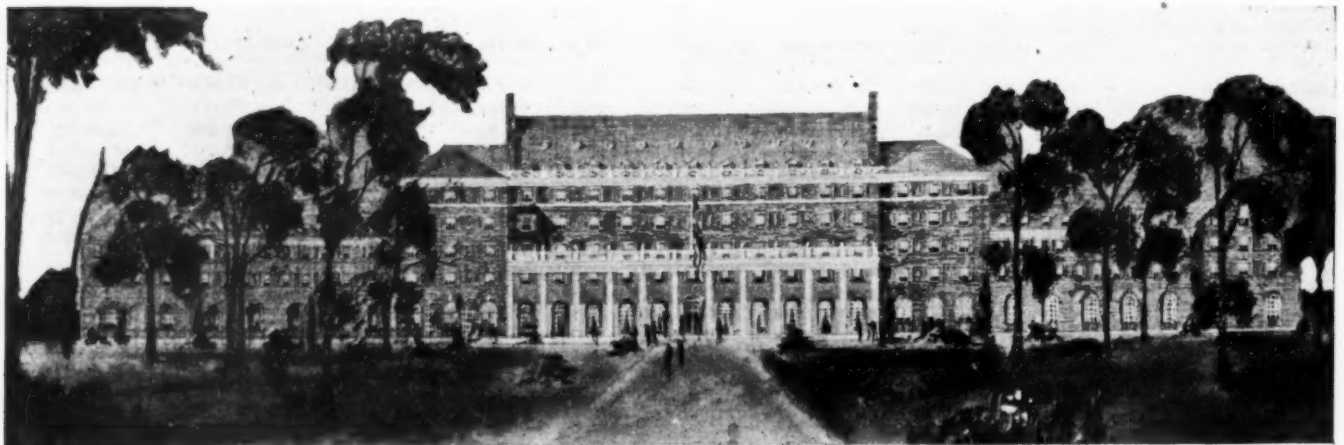
No nation that does not take God into consideration first can stand. France tried it and was glad to get back. Russia is trying it and is a dismal failure, and we as a people in sending our children to our schools must see that they are taught things that will make men and women of them instead of a bunch of scoffing heretics.

That trial in Dayton, whatever the verdict, will not change the minds and hearts of those who believe in the old paths, and neither will it make me believe in evolution, for I was taught from my mother's breast that God made man and in that teaching I will go hence. And neither will it change the minds of those who believe in the teachings of evolution. So, taking it all in all, it looks like a farce to me, that is, so far as the trial of evolution is concerned. But when the law comes in, that is a different matter, for it plainly forbids teaching that doctrine in the schools of Tennessee, and if Mr. Scopes broke the law then he is guilty and should bear the penalty.

W. V. HURT.

Contract for \$500,000 Bakery in Baltimore.

General contract has been awarded by the Ward Baking Co., Baltimore, to C. B. Comstock of New York for the erection of a \$500,000 bakery at Spedden and Lanvale streets, Baltimore. The plant will be housed in a building 151 by 390 feet, four stories, of brick, steel and concrete construction.



NEW HOTEL TO BE ERECTED AT VIRGINIA BEACH, VA.

A Strong Statement in Behalf of a Branch Federal Reserve Bank in the Carolinas.

American Trust Company.
Charlotte, N. C., July 8.

Editor Manufacturers Record:

Responding to your invitation a few days ago, I am sending you the following on the proposed branch bank of the Federal Reserve system for the Carolinas:

For several years there has been active and growing sentiment among the bankers and other business men of North and South Carolina for the establishment of a branch bank of the Federal Reserve system somewhere in the Carolinas to serve this important territory.

On April 15, 1924, the directors of the Federal Reserve Bank of Richmond, which is the parent bank of the Fifth district, sent out a letter addressed to me as chairman of the North Carolina Bankers Committee, and J. W. Norwood, president of the Norwood National Bank, Greenville, S. C., as chairman of the South Carolina Bankers Committee, which committees were organized for the purpose of endeavoring to secure the establishment of a branch bank somewhere in the Carolinas. This letter from the Richmond board of directors suggested that a sub-committee of three members of the Richmond board of directors would be glad to take up the matter of the establishment of a branch bank in the Carolinas with the bankers of North and South Carolina, and suggested a meeting at Greensboro, N. C., which was held on April 25, 1924.

Approximately one hundred bankers attended this meeting from North and South Carolina, as the result of which they passed a unanimous resolution expressing the desire and opinion that the establishment of a branch bank in the Carolinas would be vastly beneficial to the interests of this territory and of this district, and that it was an existing commercial necessity. Committees of bankers from North and South Carolina were selected at this meeting to proceed with the work of securing this branch, J. W. Norwood being chairman of the South Carolina committee, and I was selected as chairman of the North Carolina committee.

These committees prepared a general petition, brief and argument setting forth the facts in support of our contention, which was later submitted to the Richmond board of directors. After that the different cities in the Carolinas which desired to have the branch filed briefs and arguments with the Richmond board in behalf of the respective cities. After mature and deliberate consideration, extending over a period of nearly twelve months, the Richmond board of directors unanimously recommended the establishment of a branch in the Carolinas and personally appeared before the Washington board urging that they be permitted to establish this branch. Within the last sixty days the Washington Federal Reserve Board notified the Richmond board that they would have to decline the petition for the present. The Richmond board, feeling that they were right in their recommendation, have requested of the Washington Federal Reserve Board a rehearing on their petition in the early fall, which rehearing will doubtless be granted, and we hope at that time the Washington board will consent to the establishment of this branch.

Sentiment in all the territory in the Carolinas to be served by this branch is unanimously in favor of its establishment. Recently the South Carolina Bankers Association, in session at Greenville, S. C., unanimously passed a resolution expressing confidence in the Richmond board and endorsing their efforts to secure the branch for this territory, and urging them to continue the fight. A similar resolution was re-

cently passed by the South Carolina Cotton Manufacturers Association and also the North Carolina Cotton Manufacturers Association in session at Asheville. A similar resolution has recently been passed by the North Carolina Bankers Association, and by the North and South Carolina Newspaper Publishers Association in joint session at Brevard, N. C. Certified copies of these resolutions have been sent to Governor Crissinger of the Federal Reserve Board at Washington and to Chairman Wm. W. Hoxton of the Richmond Federal Reserve Board in Richmond, Va.

A few of the facts presented are sufficient to convince anyone of the merit of the claims of the Carolinas for a just share in the benefits of the Federal Reserve system, which can be obtained only through the establishment of a branch in this great section. Very few business people throughout the country at large realize the vast volume of business done in North and South Carolina. They are by far the two most important states in all lines relating to business life in the Fifth Federal Reserve district.

North Carolina ranks sixth of all the states in the Union in the amount of taxes paid to the Federal Government, being exceeded only by the great states of New York, Massachusetts, Pennsylvania, Illinois, Michigan and possibly Ohio. For the past fiscal year North Carolina paid \$167,000,000 in taxes to the Federal Government. I do not know of any better index to the volume of business transacted in the states than the taxes paid to the Federal Government. North Carolina alone pays more taxes to the Federal Government than all the other twelve Southern states. North Carolina alone pays by far more taxes to the Federal Government than all the other states in the Fifth Federal Reserve district, which includes Maryland, District of Columbia, West Virginia and North and South Carolina.

The following is a summary of facts showing the volume of business in the Carolinas in relation to the Fifth Federal Reserve district, the figures having been obtained from Government reports for the years indicated:

Value of all manufactured products.....	\$1,325,262,000	39%	1919
Value of farm crops.....	711,900,000	65%	1923
Value of cotton crop (excluding seed)....	284,280,000	97%	1923
Number of textile mills.....	720	95%	1923
Value of tobacco crop.....	99,014,000	74%	1923
Value of furniture manufactured.....	29,725,000	66%	1921
Hydro-electric power (developed H. P.)..	659,865	84%	1921
Land area (square miles).....	79,235	51%	1920
Population	4,242,847	43%	1920

In a radius of fifty miles of Richmond, Va., where the parent bank is located, there is a population, according to Government figures for 1920, of 468,000. In a fifty-mile radius of Charlotte, N. C., according to Government figures for the same year, there was a population of 583,000. In a fifty-mile radius of Spartanburg, S. C., there was a population of 621,000. In a fifty-mile radius of Greenville, S. C., there was a population of 596,000. It is therefore evident that, from the standpoint of density of population, we make a very strong showing.

These figures are impressive, the statement of them carries its own weight, and there is little needed in the way of argument to demonstrate that the volume of business in the Carolinas is of such amazing proportions as to make necessary the establishment of such additional facilities of the Federal Reserve system as will adequately take care of it in the manner designed when the Federal Reserve Act was adopted by the Congress of the United States.

North and South Carolina constitute the largest land area east of the Mississippi River, and, in fact, in the United States, with the exception of some of the sparsely settled Northwest states, where there is neither a Federal Reserve

Bank nor a branch bank of the Federal Reserve system, and yet this territory, in volume of business, by far exceeds any other two Southern or Western states. They are the only two states of the ten Southeastern states, with the single exception of the state of Mississippi, in which there is no branch bank of the Federal Reserve system and no Federal Reserve Bank, although they are by far the two most important states in volume of business and in all respects relating to business. The state of Tennessee has two branches. In the Sixth district, where the parent bank is located at Atlanta, Ga., there have been already four branches established—one at Jacksonville, Fla.; one at Birmingham, Ala.; one at New Orleans, La., and one at Nashville, Tenn.; whereas, in the Fifth Federal Reserve district, in which we are located, the parent bank being at Richmond, Va., there has been only one branch bank established, and that in the far northern part, at Baltimore, Md.

In the year 1923 the Richmond Federal Reserve Bank did a volume of business of \$13,000,000,000, and it is conservatively estimated that North Carolina and South Carolina furnished approximately \$3,500,000,000 of this business.

With a branch located at some central point in this sec-

tion, a saving of one day in time would be made on this vast volume of business arising out of North Carolina and South Carolina, which would amount to hundreds of thousands of dollars saved annually to the business people of this section. All the business in North and South Carolina that now has to be sent to the Richmond Federal Reserve Bank is not credited by the Richmond Federal Reserve Bank until three days after it reaches the Federal Reserve Bank of Richmond, because it requires at least that time on the average to send all that volume of business back into North and South Carolina to be collected.

There are many other facts and arguments which could be presented in support of our petition for the establishment of this branch, and these arguments have been presented to the Richmond Federal Reserve Board, and they have given their unanimous approval of the establishment of this branch. The directors of the Richmond Federal Reserve Bank are men of ability, success and high standing, and they represent every state in the Fifth Federal Reserve district, and are eminently qualified to judge of the advisability and necessity of the establishment of this branch in the Carolinas.

W. H. Wood, President.

The Federal Reserve Board Opposes a Branch Bank in the Carolinas.

Interesting information on the Federal Reserve banking system's present situation in the country in general, in the South more especially and in the North Carolina and South Carolina section in particular was gathered the other day by a representative of the MANUFACTURERS RECORD from authoritative sources in Federal Reserve Board circles, three features as reported being:

The Federal Reserve system at this time finds it difficult to earn money—almost, to make ends meet.

Instead of establishing any more branch banks, as in the Carolinas, for instance, the Federal Reserve Board would like greatly to reduce the present number, which is 23.

Although the Board so far has discouraged the application for a branch bank in the Carolinas, the case is not hopeless, but will be considered further in the fall.

Incidentally, this last feature came to light only a day or so after the Cotton Manufacturers Association of North and South Carolina, in session at Asheville, had adopted a resolution to request the Federal Reserve Board to reverse its attitude "in declining the recommendation and urgent request of the board of directors of the Richmond Federal Reserve Bank for the establishment of a branch bank in the Carolinas," as the resolution phrased it. In Federal Reserve Board circles the MANUFACTURERS RECORD was informed that the application for the proposed Carolinas' branch would be heard in the fall after the members of the board had returned from their summer vacations. By that time, it was said, "prospects possibly may be brighter," and also it was felt in Washington that the bankers and business men of the Carolinas hardly would be able to perfect their arguments and plea before autumn should roll around.

At the moment, notwithstanding "the recommendation and urgent request of the board of directors of the Richmond Federal Reserve Bank," and despite a feeling in Federal Reserve circles that the business of the Carolinas may justify their demand for a branch bank and that such a branch would be a tremendous convenience, a majority in the membership of the Federal Reserve Board feels that the system "cannot afford" to create the desired bank at this time. This branch, it is estimated, would add \$100,000 a year to the cost of operation of the system, and \$100,000 in these days seems to look larger to the Federal Reserve Board than \$1,000,000 used to look.

And right here, in this connection, it is interesting to note

that while "virtually not one branch bank is paying its way," the service each renders in its section is regarded as almost compensatory for the expense of carrying each branch. In other words, it is explained, the branch banks add \$6,000,000 a year to the expenses of the entire system, or approximately 20 per cent of the \$32,000,000 expenses per annum, but this is made up in "service." As the service of the system to the Government is estimated at 26 per cent of the total expense, the service to the sundry sections served by branch banks may not appear exorbitant to some observers.

But, it is said in Federal Reserve circles, the system has come into lean years. Time was when wealth poured into the system—"the Federal Reserve Banks in 1919 showed an earning capacity of 98.2 per cent on the average paid-in capital," says one authority. Further, it is explained that "the member banks, as shareholders in the Reserve banks, are entitled to a cumulative dividend of 6 per cent; the distribution of the excess above 6 per cent dividend goes to the surplus fund until it shall amount to 100 per cent of the capital, and thereafter 10 per cent each year; the remainder is paid to the Government to be used to increase the gold reserves against the United States notes, or for the reduction of the interest-bearing debt."

Primarily, the chief functions of the Federal Reserve banks are the rediscounting of commercial paper on which the member banks already have made advances to customers, the issue to the banks of Federal Reserve notes which they obtain from the Federal Reserve Board, and the holding of the legal reserves of their member banks. Now, in this lean period, it is said in the Federal Reserve Board, the system has to earn its income by the purchase of investments in the open market—a policy and practice, by the way, which Federal Reserve Board authorities say do not endear the system to the banking world.

According to the consolidated statement of condition of the Federal Reserve banks on July 8, as disclosed by the Federal Reserve Board, the earning assets as of that date were \$1,042,800,000, a shrinkage of \$84,300,000 from the total of the previous report. "It takes \$1,000,000,000 of investments to meet the expenses of the system," it is explained in Federal Reserve Board circles; a margin of only \$42,800,000, as shown in this report, may be taken as corroboration of

the Reserve Board claim that it is living on short rations. More in detail, this report showed a decline of \$61,300,000 in holdings of discounted bills, of \$14,600,000 in Government securities and of \$8,400,000 in acceptances purchased in open market. Of only two regional banks reporting increases in holdings of discounted bills, Dallas was one, with \$1,400,000, the other being San Francisco. Listed among the principal decreases of such holdings was \$4,300,000 for the Richmond bank.

And while on the subject of the Federal Reserve system as a whole, its record in gross earnings, net earnings and dividends paid, in five years, may be interesting and informative:

Year	Earnings		Dividends Paid
	Gross	Net	
1919	\$102,380,583	\$78,367,504	\$5,011,832
1920	181,297,338	149,294,774	5,654,018
1921	122,864,605	82,087,225	6,119,673
1922	50,490,739	16,497,736	6,307,035
1923	50,708,566	12,711,286	6,552,717

Furthermore, in 1923, the Richmond bank stood seventh in dividends paid, with \$342,295.22, at the same time transferring \$384,404.30 to the surplus account and paying to the United States Government \$366,143.18 as franchise tax. Only New York and St. Louis exceeded Richmond in the total transferred to surplus, while Richmond stood fifth in the franchise tax paid, with three regional banks, apparently, not paying anything.

At present the Federal Reserve system has 23 branch banks, divided among the regional banks as follows: New York, 1; Cleveland, 2; Richmond, 1; Atlanta, 4; Chicago, 1; St. Louis, 3; Minneapolis, 1; Kansas City, 3; Dallas, 2; San Francisco, 5. These 23 branches, it is said in the Federal Reserve Board, cost the system \$6,000,000 a year to maintain, or an average of \$260,800 apiece.

The desired bank for the Carolinas, according to expert investigators' reports to the Board, would cost \$100,000 a year, or less than 50 per cent of the present average for each existing branch.

In the main, this cost of each branch is regarded in Federal Reserve Board circles as being made worth while in the service each branch renders to its section.

From all of which the petitioners for the Carolinas branch may argue that the service to be rendered to their section at \$100,000 a year would be, proportionately, far greater than that of some other branches at \$260,000 a year.

For some reason, or no reason, a feeling was found in Federal Reserve Board circles that the South is not enamored of the Federal Reserve system, or, at all events, does not enthuse over it. Yet on December 31, 1923, the Fifth district (Richmond) showed 627 all-member banks and the Sixth district (Atlanta) showed 525, a total of 1152, without counting Dallas, as somewhat remote from the Carolina area. As pointed out by the petitioners for the Carolina branch, "the Fifth district between March 29, 1920, and December 31, 1923, increased 7 per cent in membership and the Sixth district increased 23 per cent; in state banks and trust companies (members of the system) the Fifth district increased 43 per cent and the Sixth district increased 118 per cent," the Fifth district having only one branch, the Sixth having four.

And right at this point, through these figures, divergence of opinion develops between the Federal Reserve Board and the Carolinas branch petitioners, the Board holding that the Carolina section should enlist more financial institutions in the Federal Reserve system before urging the establishment of the desired branch, while the petitioners take the ground that the opening of the Carolinas branch will attract banks, very generally, into membership.

"The Carolinas petitioners should get more of their banks into the system in anticipation of presenting their case—that will strengthen it," is the sentiment in some circles in the Federal Reserve Board.

"These facts (in regard to present membership) impress

petitioners with the thought that the Sixth district has wisely adopted the policy of encouraging branches where they would apparently be of help in developing the district, thereby encouraging state banks to come into the system and also satisfying and pleasing those banks already having membership in the system," is the view expressed by the Carolina bankers, business men, industrialists and agriculturists.

That the Carolina area is progressive and prosperous, with tremendous potentialities which are being steadily developed, there does not seem to be any question in the minds of some members of the Federal Reserve Board. But "there are too many branches already, with no hope of reducing the number, and the system cannot afford to add a branch in the Carolinas at an expense of \$100,000 a year," is the feeling among a majority of the Board, as explained to the writer. The service to the great section would be cheap at the price, especially in comparison with the present average of \$260,000 apiece for the existing branches; but the reduced earning power of the system does not warrant it in incurring even that additional cost at this time, say men in high place.

Such is the present majority sentiment in the Federal Reserve Board, and such are the financial conditions of the system which the Carolina petitioners will have to meet and overcome at the hearing on their petition. The Carolina side of the argument is strongly presented in the preceding article by W. H. Wood, president of the American Trust Co. of Charlotte and chairman of the Carolina Committee on this subject.

"Tax Clubs" Being Formed in Georgia and Alabama.

Atlanta, July 13—[Special.]—The old slogan of "No taxation without representation," which led to the Revolutionary War, has been changed here to "Taxation without confiscation," and leaders in Georgia are rallying to make war against the Federal inheritance tax. Following the organization of Georgia's first Tax Club in Savannah some weeks ago, under the leadership of Mills B. Lane, a prominent Georgia banker, invitations have been sent by the club to every community in Georgia for the organization of tax clubs throughout the state, and returns coming in indicate that more than 100 such clubs will be organized to study the subject of taxation and to present a united front against the Federal inheritance tax by the first of the year. These local tax clubs will be federated into a central organization, so that collective expressions can be secured from the voters of each state and a bill be written that will meet the requirements of the entire section. Alabama already has 200 such clubs, and Georgia is expected to have fully as many in a year's time.

Leading bankers and business men and students of tax legislation in Georgia are in favor of a repeal of the present Federal inheritance tax, and they expect repeal of this measure if Southern and Western Senators and Representatives unite against it.

New Breakers Hotel to Cost \$4,000,000.

President W. R. Kenan, Jr., of the Florida East Coast Hotel Co., New York, advises the MANUFACTURERS RECORD that plans are nearing completion and construction will soon begin on the New Breakers hotel to be erected at Palm Beach, Fla., by his company at a cost of \$4,000,000 or more. John W. Greene will manage the new hotel, which is expected to be ready for occupancy in the late fall of 1926. It will be located on the ocean front and will replace the hotel of the same name destroyed by fire several months ago. Schultze & Weaver of New York are the architects.

Railroad Freight Questions Demand Honest Investigation by Railroad Officials.

Daugherty, McKey & Company,
Manufacturers of
Yellow Pine Lumber.

Valdosta, Ga., June 27.

Editor Manufacturers Record:

In summing up the scores of valuable articles in the interest of the public welfare, none, in my opinion, has touched on a more pressing need than "A Suggestion to All Railroad Officials" in this week's issue of the *MANUFACTURERS RECORD*, and a copy, marked, should be sent under personal cover to all the prominent railroad officials of the country. It is by far the most timely article on this subject it has ever been the writer's good fortune to read, and really should be welcomed by the more liberal-minded and better-informed officials, and no doubt will be received by them in the same spirit in which it was written.

It occurs to the writer that your valuable periodical would serve a great purpose by encouraging the exchange of views, through its columns, between the various shipping interests of the country, on the one hand, and officials and spokesmen of various common carriers, on the other, somewhat in the nature of a clearing-house of ideas on traffic and transportation questions.

For a number of years I was in the traffic departments of various railroads, and have for the past several years been an industrial traffic manager, thus having had experience on both sides of these questions. There are a number of "ragged edges" which cause friction and rub the public the wrong way which might be eliminated entirely, or at least made smoother by a dispassionate and open discussion by both sides.

The weekly reports of the American Railway Association show that the carriers are breaking all records in the amount of tonnage handled, and the managements of various lines are pointing with pardonable pride to having reduced operating expenses over their systems, as compared with a preceding period. We all know the present freight rates are the highest in history, and cannot understand the railroads constantly speaking of hard times under the circumstances. We all want them to be prosperous—in fact, other lines of business would immediately reflect any adverse conditions in railroad earnings so closely are our interests interwoven.

The freight-rate situation is extremely complicated, due to a long series of circumstances, and it should be the aim of all good railroad traffic officials, as well as of the Interstate Commerce Commission itself, to make every effort possible to simplify tariffs to such an extent, at least, that the railroad employes and officials themselves can properly interpret them.

Rates were increased 25 per cent flat all over the country, effective June 25, 1918; then, on August 26, 1920, in what is known as Southern Classification territory, east of the Mississippi and south of the Ohio rivers and Virginia cities, another 25 per cent increase took place, while north of this territory, in what is known as Official Classification territory, an increase of 40 per cent was granted, and on shipments moving from one of these territories to the other a 33½ per cent increase was made in the through rates. On July 1, 1922, a theoretical 10 per cent reduction was made in practically all rates. This 10 per cent reduction was immediately more than offset by the carriers, which, under the guise of eliminating Fourth section violations, began a systematic increase of all rates wherever possible.

The framers of the Fourth section of the Act to Regulate

Commerce, better known as the long and short haul clause, never dreamed that, in eliminating these violations and preventing the charging of more for a short haul than for a longer haul over the same route, the carriers would invariably select the highest peak points they could find and raise all intermediate points to the level of the peak points; but such is the case. Practically no new tariffs are now issued which do not observe this rule.

The Government contemplate in section 15-a of the Transportation Act that 5.75 per cent earnings on the value of the roads' property would be on the value as determined by the valuation committee of the Interstate Commerce Commission, which in many cases is considerably lower than the book value of the carriers, but the carriers have contested these valuation figures in nearly all cases, and are seeking to earn on their book values instead.

The rule of making all new tariffs more complicated than their predecessors is being strictly followed, most especially by publishing a multitude of routing restrictions, making it a physical and mental impossibility for railroad agents and shippers ever to be sure just what rates really do apply by any given route. The lines parties to these tariffs solicit the shipper, telling him the rates apply by their routes; he in good faith so routes the shipment, and later, to his dismay, is called on by an auditor of revenue of this or some other delivering line for additional freight on account of some footnote or other reference restricting the tariff so the rate will not apply the way shipment moved. We call on the soliciting line's traffic officials to reimburse us this additional freight, and are told by them that they are unable to help us any and we have their sympathy, but will have to stand our loss. In other words, we are penalized for the acts of the railroads in complicating their tariffs so they cannot interpret them themselves. Agent J. H. Glenn of the Atlanta Freight Tariff Bureau issued his Eastern lumber tariff No. 7, I. C. C. A-471, effective July 20, 1924, and in less than twelve months has issued twenty-four supplements to it, each more complicated than the other, and all increasing the routing restrictions.

Section 16 of the Act known as the Statute of Limitations originally gave a railroad three years, from date of delivery of a shipment, in which to collect an undercharge, while at the same time giving the shipper only two years to collect an overcharge. This glaring discrimination remained in effect until June 7, 1924, when the Senate amended the Act to allow the shipper three years to collect overcharges. This law might still further be improved by an amendment penalizing railroads for holding claim papers in their possession until they are barred by statute from paying them, no such penalty now being in force. The Federal court, in *Kansas City Southern Railway vs. Wolfe*, held it would be illegal for a railroad to refund to a shipper any part of any overcharge after the statute had run. This decision seems utterly to disregard the fact that the carriers have violated other sections of the Act in making the overcharge, and the prior violation remains in force if refund is barred by statute of limitations.

The railroads in a dignified and stately way occasionally are parties to bits of humor, such as when they created the Southern and Western weighing and inspection bureaus, maintained wholly by the carriers, having some traffic or transportation official of one of the member carriers as chairman of the bureaus, and rating the efficiency of said bureaus by the additional revenue they collect from the

shippers, and yet in a serious way writing the shippers that this is an "impartial" bureau between the shippers and the carriers. These bureaus are very active in raising additional revenue from any possible angle of a shipment, but become strangely silent when they see an overcharge, and the writer does not recall ever having had a bureau representative voluntarily recommend a reduction in charges or a refund to shipper. These bureaus cannot justify their existence to their employers (the railroads) except by digging the shipper for more freight money, and, consequently, any refund made by them is rated as reducing their efficiency. The writer handles thousands of claims in a year's time, and he challenges any of these bureaus to show one case where they have voluntarily authorized a refund to shipper.

If a large and permanent industry decides to locate near

some railroad, or as near to its right of way as the law allows, and asks the carrier to build it a siding so the industry may ship its freight over carrier's rails, the carriers immediately tell the shipper he must build his own siding, and they will condescend to put in a switch connection. This is about as reasonable as a merchant refusing to sell goods to a cash customer until the customer built some shelves in his store.

Every civic body and chamber of commerce in the land is, literally, flooded with printed propaganda from trunk-line railroads, as well as from the railroad propaganda bureau in New York, all of which seek to educate the shipper to their ways of thinking. If their consciences were entirely clear, why make these pleas?

G. C. DOUGHERTY,

Traffic Manager, Daugherty, McKey & Co.

"Docket 17,000."

By a Freight Traffic Expert.

That is the number assigned by the Interstate Commerce Commission to one of the most important and far-reaching cases ever brought before that body for its consideration. The Hoch-Smith Resolution passed by the last Congress directed the Commission at once to enter upon a thorough investigation of the methods employed in determining what are reasonable, just and non-discriminatory rates, with a view to reducing, if possible, rates on farm products, and making compensating increases on other commodities, so that the gross revenues of the railroads would not be drastically reduced. This investigation will be known as Docket 17,000.

This action of Congress was the result of one of the points touched upon in the President's inaugural address. The President knows, and we all suspect, that there is something wrong with the "system" employed by the railroads in making freight rates. As a matter of fact, there is no such thing as a system employed by the railroads in levying charges for the freight they haul, and there is likewise no system in use by the Interstate Commerce Commission in adjusting disputes as to rates between railroads and the public.

Since the Commission was created, 38 years ago, it has handled over 17,000 formal cases, over 2000 "Investigation and suspension" cases, many thousands of cases of an informal character and over 50,000 "special permissions" issued, the last named having mostly been issued in the past eight years and all since 1906. Very few of these numerous cases deal with passenger fares or rules or with express, telegraph or telephone questions.

It is apparent that there is plenty of disarrangement in our freight rates to call for such a vast amount of litigation involving them. There is something the matter, and very much the matter, and the Interstate Commerce Commission not only is empowered by the Hoch-Smith Resolution, but also is commanded to find out what the matter is.

There is nothing in our highly specialized and intricate civilization anywhere near as complicated as the so-called "freight rate structure" of the United States. The situation in Canada and Mexico is also complicated, but in each case somewhat rational, while ours is a conglomeration of senseless irregularities, baseless injustices, outrageous discriminations, unlawful and unnecessary complications and an utter lack of anything that even remotely resembles a system or orderly plan. The tariffs which contain the rates, and which the law charges the public with knowledge of, are about as easy for the average farmer or business man to interpret as would be the rules of mah jong written in the Turkish language. It is utterly impossible for other than a rate expert to determine a freight rate even for a short distance, and

nobody with any knowledge of these conditions will attempt to deny this.

This situation places a burden on shipper and carrier alike. It makes necessary the employment of thousands of clerks whose entire time is spent in interpreting these tariffs. Their salaries range from as low as \$150 a month to as high as \$500 a month. Many "officials" of the traffic departments of railroads are merely high-salaried rate clerks. Large shippers are forced for their own protection to employ competent rate experts to get only what is coming to them. So much just for the small matter of reading or interpreting the tariffs. That word "interpret" is well used in speaking of reading tariffs. The word "interpret" means to convert one language into another, and the word is here used in the correct sense, after all—that is, converting the "language of the rail" into English. The Interstate Commerce Commission has been endeavoring for several years to force the carriers to simplify their tariffs, but it can never be done as long as the rates which the tariffs describe are so utterly mixed up.

The Interstate Commerce Commission has always had among its members several lawyers. A lawyer has a method of reasoning that is peculiar to men of his profession. He is certain to state a simple fact in grotesquely exact and, to the rest of us, strange language. Instead of simplifying the situation, the Commission is rapidly making it worse and worse, due, I believe, to the preponderance of legal talent in its personnel.

The railroads are allowed under the present law to make the rates, and only on complaint and after due process, including taking of testimony, filing briefs and making argument, as in a law-court case involving murder or a million-dollar civil suit, can the Commission make a rate or change one. The Commission has set out certain rules of practice. These virtually require shippers with rate complaints to employ counsel. This has built up in the past 15 years a new and economically useless and costly profession of traffic counsel or commerce counsel. Members of that profession will not ordinarily handle a case for less than \$500, and a shipper having a small volume of freight moving, or the occasional shipper, is in a bad fix in trying to get justice under the interstate commerce law. In some of the states the state railroad commissioners are beginning to surround their proceedings with the same sort of unnecessary red tape and ceremonial flapdoodle. There is no sane season to be advanced by the people who allow these conditions to exist why any man cannot write a letter to the Interstate Commerce Commission and have a small matter like a dispute over a rate on a car of logs from Tidoute to Punxsutawney

handled without all the fuss and expense at present required. Chief Justice Taft of the United States Supreme Court has expressed some very sensible views regarding the unnecessary complications and delays in our regular law practice, and it seems certain that a simple matter like a freight rate does not call for as much formality as law cases.

A few of the evils of this situation have now been outlined and a remedy ought to be suggested. Here it is:

First—Let Congress amend the Transportation Act by placing the rate-making power with the Interstate Commerce Commission. That important power is now held by the railroads and the work is done by officials, usually advanced in years, who have in most cases never been in the employ of more than one or, perhaps, two railroads, and who have been promoted according to seniority, with some, but not sufficient, regard for ability and general knowledge and education.

Second—Let Congress include in its legislation a provision that there shall be one freight classification throughout the country. This can be done, and must be done, to correct our present troubles. Today we have the Official Southern and Western Classifications, as well as the Illinois Classification. There used to be a separate one in nearly every state. In providing a General Classification, it would be necessary to change the level of all class rates, and the number of classes should be increased so as to avoid the necessity for the endless jumble of commodity rates which now exists. Distance scales should be generally extended to cover all traffic, everywhere.

Third—Include in the new law a provision doing away with the suspension of tariffs or parts of them. If the rate-making power were in competent hands, this could be safely done.

Fourth—Congress should compel the Commission to hold a stricter control over the carriers in the way in which rates are published. The present tariffs, with their voluminous supplements, exceptions, footnotes, cross-references, lack of uniformity in makeup, indefinite terms and wholly unnecessary hair-splitting commodity descriptions, constitute a national scandal. The Commission's Tariff Circular 18-A was designed to prevent such abuses, but the fact that the Commission has issued over 50,000 special permissions legalizing violations of those tariff rules shows how general is the practice of disregarding them. During the past eight years, particularly, the Commission has become increasingly lenient in dealing with carriers regarding violations of Tariff Circular 18-A. Tariffs should be published in block form, like the express tariffs.

Fifth—Let us pray that a few more business men be appointed on the Interstate Commerce Commission, instead of so many lawyers, and let us pray hard that none of the estimable crossword puzzle designers now publishing the railroads' freight tariffs ever become members of the Commission. This is not said in disparagement of such men as Mr. Leland, Mr. Speiden, Mr. Boyd or any of the other tariff-publishing agents—they are confronted with a situation most difficult of solution. The rates themselves are complicated in the extreme and must be placed on paper at a minimum of expense. They are doing their work well, but it is not rate publishing on an orderly or systematic plan, and I doubt if men with their training and mental attitude can change overnight.

The proposals outlined herein do not involve anything that is impractical, and as the changes suggested should not, be made all at once without creating havoc in the nation's industry and commerce, plenty of time should be taken to place these ideas into effect in a thorough manner that will last.

There are other people who think as the writer does, and the ideas expressed herein are not in all cases those of an

individual, but are the views of many men, harmonized and put together.

Let us pay a tribute now to one man who evidently also reasons this way and who has, in so far as he was empowered to do so, outlined a plan somewhat similar to this. That man is W. A. Disque, attorney-examiner for the Interstate Commerce Commission. His proposed report to the Commission in the Consolidated Southwestern Cases (Docket numbers 13535 et al.) is the greatest single step yet taken by anyone connected with our Government toward simplifying and correcting our freight-rate tangle. His task in these cases was not an easy one. He was confronted with nearly 10,000 pages of testimony and several hundred exhibits consisting of from 100 to several hundred pages each. All this mass of evidence involved rates from, to and within the Southwestern territory, including the states of Texas, Louisiana, Arkansas and Oklahoma and the southern portions of Kansas and Missouri. The complaints included only this territory, and Mr. Disque's report could only, therefore, cover that scope; but it must certainly have been in his mind, as it is in the writer's, that the same plan should cover the entire United States. His plan produces both increases and decreases in rates and will not materially raise or lower the revenues of the railroads. There are now pending similar general cases in the Northeast and South, all brought into existence by the same hopeless muddle in present rates in those sections.

Under the Hoch-Smith Resolution the Commission has the power to start right and to extend and enlarge upon the Disque distance—scales of rates, so that they will provide what has always been known as the ultimate outcome of this mass of litigation—through rates from and to every point in this country. All cases now undecided, including the Eastern Class case, the Southeastern Class case and the Consolidated Southwestern cases, should be consolidated with Docket 17,000 to bring this about.

The attorneys for the railroads, and their rate-making tariff officials, are positively opposed to the Disque plan. They worked night and day preparing exhibits and arguments to be used before the Commission in June, when the Southwestern case came up for oral argument. The Commission now has the case under advisement. Large shippers who, by their control of routing of immense volumes of tonnage have been able to play one railroad against another and get lower rates than farmers and small shippers, will also oppose the Disque plan. They will not stop at argument, but will use politics and intimidation to keep their preferential rates, which they obtained by the same methods.

The Disque plan is workable in principle, but, of course, can be modified up or down so as not to decrease the gross revenue of the carriers in general—as everybody with knowledge of the conditions knows that should not be done—nor to prevent free movement of commerce.

The present transportation illness of the country is so severe as to require somewhat unusual and violent treatment. There is bound to be some slight, temporary harm done in spots, but a permanent, ultimate cure is certain if this plan is used.

Considering 11-Story Building at Burlington.

Reports from Burlington, N. C., state that the Central Loan & Trust Co. is interested with outside capital in a proposition to erect an 11-story building at Burlington, the structure to front 50 feet on South Main street and 168.8 feet on Maple avenue. The lower floor is expected to be occupied by a banking institution or drug store and a modern theater, while the tower of the building, to be 50 feet square, will be devoted to professional offices. The Central Loan & Trust Co. advises that architect has not yet been selected.

Macon: Its Growth in Industry and Agriculture.

THE CITY NOW OUT TO "TELL THE WORLD" OF ITS RESOURCES AND ADVANTAGES.

By WILTON E. COBB, Secretary Macon Chamber of Commerce.

Macon, Ga., is out to "tell the world." A recent effort has given the Chamber of Commerce \$50,000 with which to carry on a campaign of advertising that will reach far and wide and acquaint people of this country with the advantages of the city. Macon has an interesting story to relate, a story of the past and the promise of a roseate future. Statistics from the past are fair indicators of future growth.

As an illustration, in the last decade, Macon's postoffice receipts have practically doubled; the same is true of the number of water consumers. Both of these are healthy barometers of progress. Examination of bank clearings reveal the following interesting figures: 1921, \$63,519,417; 1922, \$65,072,523; 1923, \$78,124,637; 1924, \$78,296,104.

An even better insight is given by the debits to individual accounts in the four (of eight) local banks which are members of the Macon clearing-house. They are as follows:

miles of the geographical center of the Empire State of the South, seems destined to become one of the leading cities in the Southeast.

Founded in 1823, when an official survey fixed the city lines of the little colony of settlers who had gathered in the shadow of Fort Hawkins in 1819, Macon—named in honor of Nathaniel Macon, patriot and statesman—has shown a constant growth that makes for permanence and stability. No increase in industry and population of the mushroom variety has been Macon's; rather, the steadily mounting census figures and bank clearings have been of the sort that gives a definite promise of a bright future and continued substantial development.

Macon's growth is not unexpected. When those first settlers pitched their camps and went about the business of building homes in the wilderness, they probably realized



CHERRY STREET, LOOKING SOUTH TOWARD RECENTLY COMPLETED MILLION DOLLAR TERMINAL STATION.

1921, \$15,305,288; 1922, \$15,372,403; 1923, \$19,111,885; 1924, \$23,097,083; 1925, \$25,947,789.

Figures do not lie when they are the figures taken from the books of banks, and the foregoing shows that Macon has enjoyed a steady growth for the past several years. But even more impressive are the facts when taken for a period of ten years. In 1915 the combined deposits of nine banks amounted to \$7,150,000; today four banks alone show deposits of more than twenty-five million dollars!

When, in 1923, thousands of citizens banded in a great celebration of the one-hundredth anniversary of the founding of Macon, they brought to a close a century that had seen a steady growth in business and population in middle Georgia; they inaugurated a second century which promises to see a growth just as great, or greater, especially along industrial lines. For Macon, located as it is within a few

that through its location along the banks of the Ocmulgee River at the "fall line" where the rolling foothills of the Blue Ridge Mountains merge into the broad plains which lead to the Atlantic Ocean, this territory was destined to achieve true greatness.

Today seventy-four passenger trains, operating through Macon, daily give access to a trade territory of 800,000 population within sixty miles. Radiating through this territory are eleven railroad lines, which bring through Macon's new million-dollar terminal more than three million people annually.

In addition, thousands of tourists each year motor through this city, located as it is on three leading highways—Dixie, National and Lee. An up-to-date tourist camp is within three minutes of the heart of the city, and with the improvements recently made and the attention being given it

by the city, visitors are pronouncing the camp one of the best and most convenient in the South.

Macon is the center of one of the fastest-growing agricultural districts in the South. The awakening in the past few years has been tremendous, and the farmers of the section have come to realize that cotton is not the only crop that can be produced on the fertile lands of middle Georgia. From the advent of the boll weevil a few years ago and the turning to other activities, agriculturists around Macon have surprised even themselves with the products of their lands. Tobacco has become a staple crop in certain districts, while others have instituted famous "Cow-hog-hen" program and refuse to go back to the production of cotton, which weevil control has again made possible on a large basis.

In an industrial way, Macon has a particularly bright outlook. Ten large cotton mills, turning out millions of yards of yarn and cloth of various kinds, furnish employ-

of their
in cer-
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go back
trol has

of clays in this territory is the Standard Brick & Tile Co., which is a co-operative selling company for the Bibb and Cherokee plants, with an annual business of about \$1,500,000.

This company does a large business throughout the five adjoining states and ships cargoes to New York, Cuba and other distant markets.

The output of the two plants is given as about 300,000 common brick, 40,000 face brick and 500 tons of tile per day. This production is consumed almost entirely by the dealer trade, though some business is done with contractors direct. Three traveling salesmen cover the territory directly adjacent to Macon.

W. E. Dunwody is president of the Standard Brick Company, while Marion H. Massee is vice-president and sales manager. The Standard Brick Company was chartered in 1904 to handle sales for all brick plants in Macon and on January 1, 1925, the name of the firm was changed to the Standard Brick & Tile Co.



MANCHESTER COTTON MILL, ONE OF THE TEN LARGE PLANTS PRODUCING YARN, CLOTH AND OTHER COTTON GOODS.

ment to hundreds of workers and utilize the output of many acres of cotton. A number of lumber manufacturers concentrate here the raw hardwoods with which the forests of the state abound and transform them into building supplies, furniture, wagons and implements, shipped to all parts of the country. Macon mills alone produce more than 50,000,000 feet of hardwoods annually.

But in the production of clay products probably lies one of the most brilliant fields for Macon. Within a few miles of the city are found inexhaustible deposits of kaolin that cannot be equaled in purity in the world. Because of the absence of deleterious matter, Georgia burned clays are famous for their quality and architectural beauty wherever known. The clay industry presents a very attractive opportunity to business enterprise and good management.

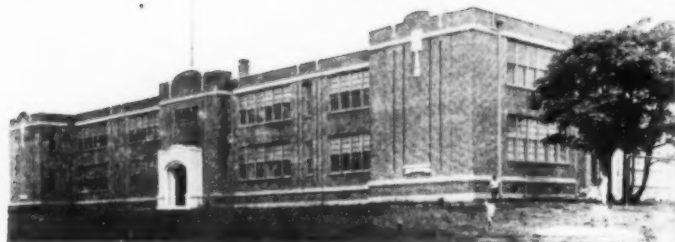
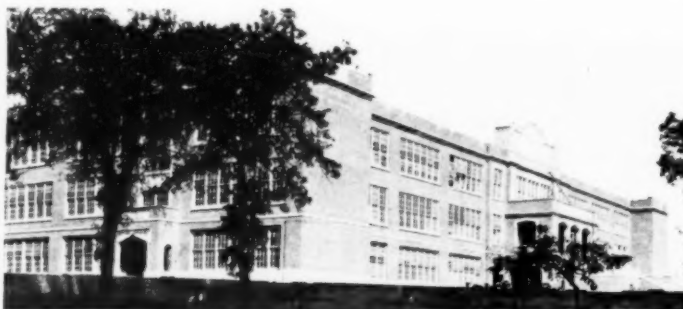
Making use of a small part of the vast resources

Macon has eight banks, all doing a large business. One of the leaders among these is the Fourth National Bank, which began business in September, 1906, and which is now planning the construction of a new and modern building, having completely outgrown its present home.

The bank began business with a capital and surplus of \$125,500 and deposits amounting to \$140,015. The first call of the Comptroller, two months later, found these figures increased to \$175,180 capital and surplus and \$300,420 on deposit.

Ten years ago, in 1915, on May 1, the capital and surplus was \$500,000 and deposits had grown to \$2,945,695. On May 1, 1925, these figures had again taken an enormous jump, and the report to the Comptroller showed a capital and surplus of \$1,100,000, deposits of \$11,473,082 and savings accounts amounting to \$2,735,790.

The growth of this bank



TYPICAL OF MACON'S NEW HIGH SCHOOLS AND GRAMMAR SCHOOLS.



NEW BIBB COUNTY COURTHOUSE, COMPLETED IN 1924.

is indicative of the growth of Macon. The increases have been about equal in the other seven banks, but the Fourth National has taken the lead and is now a clearing-house for more than 200 rural banks throughout south Georgia.

In its one hundred and two years as an incorporated city

cils of the great cities of the South, both as an important agricultural metropolis and as a thriving industrial center.

Macon is, however, by every law of resources, environment, location, climate and facilities an ideal manufacturing point, and it is the purpose of its thoroughly awakened citizens to acquaint the world with its surpassing advantages as a site for industries in their formative stage as



AN UP-TO-DATE COUNTRY CLUB.

Macon's growth has followed two distinct lines, industrial and agricultural. In many cities where similar conditions originally existed either the agricultural or industrial activity eventually prevailed and stamped out the other. In Macon's history, however, it appears that the two lines of development have been so happily blended and balanced that the city has gone along in its substantial rise to importance in Georgia and is a welcome member at the coun-



PEACH-PICKING TIME.

well as for relocation of old established industries which find themselves hampered by pyramiding expenses and labor troubles. The city has within easy reach an exceptionally



WESLEYAN COLLEGE, OLDEST CHARTERED WOMAN'S COLLEGE IN THE WORLD.

extensive group of those raw materials upon the fabrication or transmutation of which the world's great industries are built, while the state abounds with labor which may be

serves above the 1000-foot level gives Georgia 200,000,000 tons of red ore and 125,000,000 tons of brown ore. As Macon is located practically at the geographical center of the state, these ores are within easy hauling distance. Use of the ores is already being made in some quantity, especially by J. S. Schofield's Sons Company in the manufacture of engines, boilers, high-grade machinery, mill and machinists' supplies. That company recently celebrated its seventieth anniversary. Since 1855 it has been a Macon institution, with a steadily increasing business not only in Georgia, but also in North and South Carolina, Virginia, West Virginia, Tennessee, Alabama and Florida.

Since its foundation the Schofield organization has been directed by the family which founded it, and today a son of the original founder is president and active head of the concern. John Shepley Schofield was a locomotive engineer in his youth, and it was a small foundry which he opened as a sort of side line that marked the beginning of the big plant which now covers seven acres and embraces six complete shops in one.

One of the first products of the Schofield Iron Works (as it was known up to its incorporation in 1900) was a hand cotton press. This first crude press paved the way for the introduction of the Schofield engines, and in quick succession followed other lines, such as sawmills, sugar-cane mills for plantations, water-wheels, pumps, etc.

A visitor to the huge plant would pass in turn through the machine shop, foundry, pattern shop, forge shop and the boiler and sheet metal shop. He would see cylindrical boilers in the process of making and destined for sugar mills in Cuba or for the oil fields of Texas. He would see also the manufacture of water tanks for municipalities and dryers for phosphate plants. Even the little two-ended wrench, like the kind one uses to tighten bolts on lawn mowers, would be made there, in great quantities, right before his eyes. The storehouse contains a complete supply of the kind of equipment needed for saws, pumps, pulleys, belting and steam fittings of every description. The entire



FOURTH NATIONAL BANK.

worked without the labor troubles prevalent in other places.

First in importance in native resources is iron ore, and a geological survey of the South's workable iron ore re-

plant is motorized, each machine being operated by its own power, and the power supplied by a gigantic dynamo run by a battery of internal-combustion boilers.

The working force of the plant numbers 300 men, skilled and unskilled. The weekly payroll, including the office force, exceeds \$7500. The company are not only manufacturers but also jobbers on a large scale. Because of its diversity of manufactured products the Schofield plant is not subject to periods of depression. Its machinery is used in all sections of the country, thus the business is not de-

section is liberally endowed with coal, iron, timber, phosphate rock, bauxite, lead, zinc, clays, kaolins, fuller's earth, barytes, cement, petroleum, marble, granite and other natural wealth. The few raw materials of that list which are not located within the boundaries of Georgia and thus near Macon, are at any rate within an economical haul of the city. The development of these resources calls for the same kind of energy and ability on the part of Macon and its industrial and financial interests as has been applied to the utilization of such wealth in other parts of the South. Those



PEACH PACKING NEAR MACON.

Twenty million peach trees in a radius of a few miles provide fruit that is always at a premium in the northern and eastern markets.

pendent upon any one particular section or commodity. When cotton conditions are good, engines, boilers and oil machinery are in great demand. When municipal bond issues are being successfully floated, there is a ready sale for tanks, towers, castings, crematories and the like. So the plant is always busy.

And in other lines, Macon is an ideal location for manufacturing enterprises. To those who have not made an earnest study of the subject the range and quality of the South's natural resources are somewhat surprising. This

who are well informed on this particular section realize that it is only a matter of a brief time until the latent opportunities of this entire region are more broadly recognized and when continued and well-considered efforts will be made to exploit this natural wealth and to reap the benefits therefrom.

The South has made giant strides in the development of hydro-electric power, and with headquarters at Macon the Central Georgia Power Company has a system of 220 miles of high-tension lines, and is interconnected with the Georgia Railway and Power Company, Atlanta, and the Columbus



CATTLE GRAZE TWELVE MONTHS IN THE YEAR IN MIDDLE GEORGIA.



PARTIAL VIEW OF PLANT OF J. S. SCHOFIELD'S SONS COMPANY.

Electric & Power Co., Manchester, making available to industries all of the Southern powers.

Macon's importance as a railroad center is evidenced by the large number of railway employees in the city and by the great sums expended in the form of payrolls and purchases. This is particularly true of the mechanical departments of the roads. Three of the carriers serving Macon maintain shops in the city. Geographical location, living conditions and the cordial relations between railway employees and the people of Macon have combined to make the shop industry important.

In the city there are three railroad shops, with a total of 1826 employees and an average monthly payroll of approximately \$300,000, or more than \$10,000 a day.

The Central of Georgia have the largest shops, with a force of 1339 men. When these shops were built they cost \$1,256,863. Tools and machinery cost \$728,477 additional, a

tives, and it is designed with a second floor on which is handled the manufacturing and the repairs of tools and of small parts. Four traveling cranes operate in this building. The boiler-shop building is used for repairs to tanks, boilers and other sheet-iron work. The roundhouse building measures 85 feet from door to wall and has 32 stalls of pits. On the exterior of the building are 16 tracks, with a capacity of 32 engines, giving room for the handling of a total of more than 60 locomotives. The car-shop building is 304 feet long and 195 feet wide, with a capacity of 24 cars. There is a total capacity in the car-shop yard for storage of more than 300 cars.

A number of students taking engineering courses at Georgia Tech are employed in the shops of the Central of Georgia. It is said that this is the only railroad in the country offering employment in this manner. The students attend classes in Atlanta one month and work in the shops the next month.



BIBB MILL, No. 1 OF THE BIBB MANUFACTURING CO., ONE OF THE LARGE COTTON INDUSTRIES OF THE SOUTH.

total expenditure just short of \$2,000,000. Additions to the plant have been made from time to time, and within the past year shop tools and equipment costing \$100,000 have been installed. Purchases of similar amount are contemplated for the coming year.

The locomotive and car shops cover a total area of 43 acres. The buildings include a blacksmith shop, machine and erecting shop, boiler shop, roundhouse, storehouse and car shop. The blacksmith shop has 15 fuel oil burners and 10 hammers. The machine and erecting shop is the largest building, being 510 feet long and 175 feet wide. It has 22 pits for loco-

Two boys are assigned to each task, one going to school while the other works.

The Georgia, Southern & Florida Railway, a part of the Southern Railway system, has a shop employing 284 men in its locomotive department and 133 men in its car department. This shop was built approximately 65 years ago. It has a roundhouse with 18 stalls, and accommodations for 12 engines in its erecting shop. It also has a coach shop for repairs and painting on passenger coaches.

The Macon, Dublin & Savannah Railroad constructed its Macon shops about 30 years ago. Approximately 70 men are

employed. There are six pits in the roundhouse and 10 stalls.

In a climatic way, Macon is superbly situated. Within the boundaries of Georgia are found eight climate belts, and to Macon has been given what is called the best. No one has ever frozen to death in middle Georgia, nor has a heat prostration ever been heard of. The average temperature is 60 degrees, and the average rainfall 47 inches, splendidly distributed. The percentage of sunshine is 70 and farmers in the territory enjoy 300 "open days" in each year.

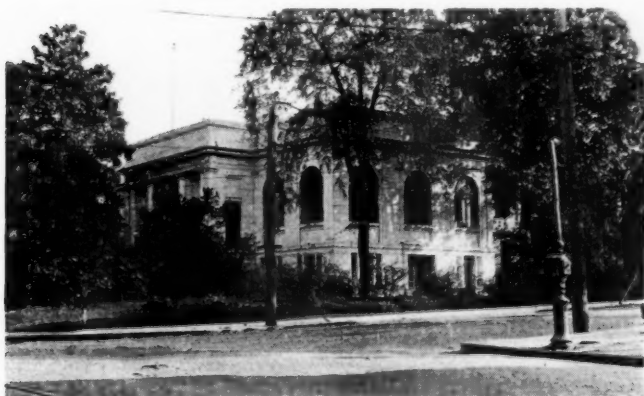
Macon's population is 65,000, and there are 800,000 people living within a radius of 60 miles who make Macon their shopping headquarters. A large number of these people are well-paid industrial workers with families, insuring the



CITIZENS AND SOUTHERN BANK BUILDING.

demand for a much greater quantity of dairy products than are now being produced.

The city is the zone center of the finest peach-growing section in the South; and while there are thousands of acres of peach orchards at Macon's very doors, the demand for



WASHINGTON MEMORIAL LIBRARY.

Georgia peaches increases every year, and there will never be a time when they will not be at a premium in Northern and Eastern markets. Railroads this year have built new tracks into several peach sections. A large icing plant has



GEORGIA CASUALTY BUILDING.

been established in Macon, with a branch at Fort Valley, 30 miles away; trainload after trainload of peaches move through the city each season to the markets. Macon is the home of the Georgia Peach Growers Exchange and is the location of the Standard Growers Exchange. A dozen or more fruit-marketing agencies have established offices here—some for the season, some for the entire year.

Box and crate factories are kept busy furnishing the peach



PLANT OF CHEROKEE BRICK COMPANY.

growers, while many people find enjoyable work during the season in the orchards and in the packing houses.

At Fort Valley each spring is staged the greatest exhibition of its kind in the world—the Peach Blossom Festival. Thousands of visitors each year come from throughout the United States for this event, making their headquarters in Macon—a short motoring distance from Fort Valley.

Macon's school system ranks with the best in the United States. Beautiful and substantial brick buildings, thoroughly modern in every detail, house the pupils and the

amplest educational facilities are afforded all grades. Bibb county has 49 public schools, with an enrollment of over 15,000.

Macon is the home of Wesleyan College, chartered in 1836, and the oldest chartered college for women in the world. Over 600 young women from all countries attend Wesleyan annually.

struction is a new municipal auditorium to cost \$1,000,000 and a municipal stadium to cost over \$100,000, each to provide the latest facilities along these lines. A heavy sports program is planned for Macon upon completion of the stadium. Athletics is now furnished by the various Mercer teams, the basketball squad having won the S. I. A. A. championship for the past two years, while other teams were



MILLION DOLLAR MUNICIPAL AUDITORIUM TO BE COMPLETED BY SEPTEMBER.

Mercer University, fast becoming recognized as one of the leading universities in the South, is located here and offers coeducational advantages in theology, law, commerce, journalism, pre-medical, pre-engineering, arts and sciences. The annual enrollment is over 1000.

Mount de Sales Academy, Catholic, also provides every facility for an ample education for girls. Macon is the home

rated among the top-notchers. In organized baseball Macon is a member of the South Atlantic League.

Recreation is furnished also by two nearby lakes, where boating, swimming and other water sports may be enjoyed, while the Idle Hour Club provides one of the best 18-hole golf courses in the South.

Construction is to begin shortly upon a million-dollar



MERCER UNIVERSITY, A FAST GROWING SOUTHERN COLLEGE.

of the Georgia Academy for the Blind. There are 89 churches, comprising eleven denominations, located in the city.

That Macon has just awakened to its possibilities is shown by the increase of building in recent months and by the new firms which are locating here. Now under con-

struction is a new municipal auditorium to cost \$1,000,000 and a municipal stadium to cost over \$100,000, each to provide the latest facilities along these lines. A heavy sports program is planned for Macon upon completion of the stadium. Athletics is now furnished by the various Mercer teams, the basketball squad having won the S. I. A. A. championship for the past two years, while other teams were

German Cotton Consumption Fails to Keep Pace With Heavy Cotton Imports—Re-Exports Increase.

German imports of raw cotton during the first four months of 1925 amounted to 704,369 running bales, an increase of 52 per cent over those for the corresponding period of 1924, while imports of cotton linters during the period under discussion totaled 56,594 in 1925, against 27,434 in 1924, advises the Department of Commerce. The United States, as usual, furnished the bulk of the 1925 imports of these commodities—580,482 bales of raw cotton and 46,135 of linters. British India supplied 85,193 bales of raw cotton in 1925 and Egypt 29,238, the balance comprising small amounts from various Latin-American countries and China.

While the heavy purchases of raw cotton in 1925 would seem to indicate an improvement in the German cotton industry, consumption is not keeping pace with imports, and stocks reported on hand at Bremen rose from 203,968 bales on January 1, 1925, to 297,842 at the end of April. However, statistics published by the Bremen Cotton Exchange for May show receipts of raw cotton amounting to only 71,519 bales at that port, while outgoing shipments aggregated 147,588 bales.

Re-exports of raw cotton during the first four months of 1925, according to official statistics, reached 10,980 metric tons (metric ton = 2204.6 pounds), or four times the amount exported in the like period of 1924. The ratio of exports to the total imports, however, was about the same, the percentages having been 7.4 in 1925 and 5.8 in 1924. Czechoslovakia, East Poland and Austria, in the order named, were the most important countries of destination for these re-exports.

Bids for \$2,500,000 Houston Building.

Houston, Tex.—Date of opening bids for the erection of the 32-story office building here for Mrs. Niels Esperson has been definitely determined as August 5. It is estimated that the structure will cost \$2,500,000. It will be 150 by 150 feet, Italian Renaissance architecture, steel frame construction, brick and stone, with concrete floors, tile roof, vacuum steam heating plant of the oil-burning type, six electric passenger elevators and other modern equipment. John Eberson of Chicago is the architect.

Contractors estimating on the building include the George A. Fuller Co., New York; American Construction Co. and Don Hall, both of Houston; Selden-Breck Construction Co., St. Louis, and the Stone & Webster Corporation of Chicago.

Dividends of Southern Cotton Mills.

Eighty-six cotton mills in the Southeast paid in dividends July 1 a total of \$2,561,461.50, according to a dispatch in the Atlanta Constitution from Spartanburg, S. C., under date of July 7. Inasmuch as some of the largest mills in the South do not make public their dividends, it is estimated that the sums paid out at this time by all the mills totaled in the neighborhood of \$3,000,000.

The figures are considered very satisfactory in textile circles in view of the conditions prevailing in the industry at present, and a decided tone of optimism is found in the expressions of the manufacturers. A number of mills are closing down ten days or two weeks in July, ostensibly to give their employes a holiday, but an extended shutdown is not expected.

A complete list of the mills in the Southeast, the dividend rates and the amounts paid to stockholders, with the excep-

tions noted, is given herewith, the dividends being semi-annual, except where otherwise noted:

Mill	Dividend per cent rate	Dividend
American Spinning Co.	5	\$26 250.00
Anniston Mfg. Co.	4	10,000.00
*Aragon Mills	2	26,000.00
Aragon Mills	3½	80,500.00
*Avondale Mills	15	90,000.00
Avondale Mills	4	10,000.00
Belton Mills	2	28,000.00
Belton Mills	3½	49,000.00
Brandon Mills	3	28,770.00
Brandon Mills	3½	17,500.00
*Calhoun Mills	2	20,000.00
Chadwick-Hoskins Co.	2	60,000.00
Chadwick-Hoskins Co.	4	32,000.00
Chiquola Mfg. Co. (regular and extra)	5	35,000.00
Chiquola Mfg. Co.	3	10,740.00
Clinton Cotton Mills	4	14,000.00
Columbus Mfg. Co.	4	56,000.00
Dacotah Cotton Mills	5	30,000.00
Dacotah Cotton Mills	3½	1,183.00
Dallas Mfg. Co.	3	45,000.00
Darlington Mfg. Co.	3½	17,500.00
Darlington Mfg. Co.	3½	17,500.00
*Duncan Mills	1½	12,500.00
Florence Mills	5	25,000.00
*Franklin Process Spinning Co.	1½	5,250.00
Gainesville Cotton Mills	4	19,624.00
Gaffney Mfg. Co.	3	48,000.00
*Georgia-Kincaid Mills	2	12,000.00
Georgia-Kincaid Mills	3½	45,500.00
Glenwood Cotton Mills	2½	27,000.00
Griffin Mfg. Co.	3½	10,500.00
Hartsville Cotton Mills	3½	60,000.00
Inman Mills	3½	21,000.00
Inman Mills	3½	14,000.00
Judson Mills	4	90,000.00
Judson Mills	1½	12,500.00
Lancaster Cotton Mills	5	80,000.00
Lancaster Cotton Mills	3½	28,000.00
Laurens Cotton Mills	4	42,000.00
Linford Mills	3½	3,500.00
Locke Cotton Mills	4	20,000.00
*Lowe Mfg. Co.	1½	1,249.50
Lydia Cotton Mills	3	12,000.00
*Manchester Cotton Mills	3	15,000.00
*Marion Mfg. Co.	3	18,750.50
*Martel Mills, Inc.	1½	18,749.50
Monarch Mills	3½	105,000.00
Monarch Mills	3½	35,000.00
Norris Cotton Mills	2	10,000.00
*Norwood Mfg. Co.	2	12,000.00
Oakland Cotton Mills	3½	22,500.00
Orr Cotton Mills	4	32,000.00
Orr Cotton Mills	3½	28,000.00
Piedmont Mfg. Co.	4	64,000.00
F. W. Poe Mfg. Co.	1½	30,000.00
Poinsett Mills Co.	3	14,220.00
Riverside Mfg. Co.	3	30,000.00
Roanoke Mills first pfd.	3½	18,750.00
Roanoke Mills	4	25,284.00
*Sibley Mfg. Co.	1½	13,500.00
*Swift Mfg. Co.	2	10,000.00
*Toxaway Mills	2	10,000.00
*Victor-Monaghan Co.	1½	12,637.50
*Wallace Mfg. Co.	1½	4,375.00
*West Point Mfg. Co.	2	144,000.00
Williamson Mills	4	14,000.00
Woodruff Cotton Mills	3	23,625.00
Arcadia Mills	5	10,000.00
Arcadia Mills	3½	28,000.00
Arkwright Mills	4	8,000.00
Beaumont Mfg. Co.	5	10,000.00
Beaumont Mfg. Co.	3	6,000.00
D. E. Converse Co.	3½	35,000.00
Chesnee Mills	5	19,745.00
Clifton Mfg. Co.	4	100,000.00
Cowpens Mills	2	8,000.00
Cowpens Mills	4	4,000.00
Drayton Mills	3½	12,250.00
*Enoree	1½	6,387.00
Fairmont	5	11,250.00
Fairmont	3½	5,250.00
Jackson Mills	4	13,822.00
Pacolet Mfg. Co.	5	100,000.00
Pacolet Mfg. Co.	3½	70,000.00
Saxon Mills	3	27,000.00
Spartan Mills	4	80,000.00

*Quarterly.

Elks Club to Erect \$850,000 Building.

Memphis, Tenn.—Construction is expected to begin about September 1 on a new \$850,000 building to be erected here by the Elks Club, for which funds are now being raised. Plans for the structure are being prepared by George Mahan, Jr., and J. J. Broadwell, both of this city. It will be 12 stories, fronting 75 feet on Front street and extending 148.6 feet on Jefferson avenue, of steel and concrete construction, and will contain ballroom, clubrooms and libraries in addition to lodge rooms. Upper floors will provide space for approximately 150 apartments.

Why Many Strong Men Are in Favor of Cancelling Debts of Our Allies.

Baltimore, Md., July 3.

Editor Manufacturers Record:

With reference to the discussion now going on in your paper on the question, "Shall America cancel the debts of European Countries?" it is interesting to note that George E. Cless, Jr., executive secretary, Portsmouth Chamber of Commerce, has changed his opinion and is now adverse to cancellation, largely from having read the opinions of Dr. Harry E. Barnes. It is noted that Dr. Barnes has, as it were, struck a balance on the causes of the war between "German militarism, French revenge aspirations, British navalism and imperialism, and the century-old Russian ambition to get control of Constantinople and the Straits."

I think if Dr. Barnes had extended his views as far back as the Boer War, which broke out in 1899, he would have seen that what he calls British navalism and imperialism was practically forced on Great Britain by the ambition of Germany to smash the British Empire and become heir to that Empire's estate. This point of view is well reflected in the attached letter which the Baltimore Sun published for me as early as 1909. Dr. Barnes very singularly overlooks the repeated and fruitless efforts made by Great Britain to establish a naval holiday with Germany, but the Germans would not have it. He seems to be utterly unaware of the disasters that England foresaw for herself and her trade if war was forced on her by German ambitions. He takes no account of the fact that England was a free-trade country and was constantly aiming for wide reciprocity in trade, which, given a fair equality in economic scales, is, of course, an ideal world condition.

In pursuit of this free-trade doctrine, England was doing all she could to develop trade between herself and her ambitious rival. So far is this true that in 1912 Great Britain was a long way Germany's best customer and imported no less than \$341,260,380 worth of German goods, a very large portion of which was finished manufactures. In the reverse direction, the Germans took from Great Britain \$196,635,990 worth of goods and from the British Empire, as a whole, \$279,629,244 worth. It is, of course, well known that German steamers were trading to all ports of the British Empire on an absolute equality with British ships, and so far, indeed, had Great Britain's free-trade principles been carried that when the war broke out it was found that German capital was in control of a very large portion of the industrial resources of Australia. I think Dr. Barnes should sort out his ideas a little and try and analyze for himself what he means by "imperialism," and particularly that type of it practiced by Great Britain.

Coming directly to the question whether we should cancel the debts owing us, it would be well if your correspondents would point out to us a solution of the problem of how these debts are to be paid us in the face of our tariff, the latter being thoroughly warranted by the much higher economic scale that prevails here than abroad. I note your correspondent Robert Lee Hall, in referring to British cancellation of debts following the Napoleonic wars, says, "English statesmen alone know what her impelling motive was when she cancelled her Napoleonic war debts." That is doubtless very true, but we may surmise that one of the reasons was that the British were duly thankful to their Allies for having aided them to escape the "bony" clutch of Bonaparte.

Precisely along the same line of thought, it amounts to a moral certainty that if the Germans had succeeded in over-

throwing the British Empire as a result of the Great War, it is only a question of time when they would have used the great German element in this country to overthrow its Anglo-Saxon predominance, so that in the course of a generation or two German would have become the official language of the country and all our youth would have been brought up as Germans. Should we or should we not be thankful to our European "associates" that they aided us to escape this racial uprooting?

Another surmise as to why British statesmen cancelled the debts is that they came up against the same problem that presents itself as practically insoluble to present day statesmanship. They doubtless saw, as we see today, that to expect impoverished countries to buy British products while at the same time demanding from them huge sums in discharge of debts was illogical and absurd, and this became more and more apparent to them as, in the second quarter of the Nineteenth Century, Great Britain began to learn the meaning of her great industrial expansion based on the application of steam for the production of power.

I think that if some of our people will abandon sentiment and turn these hard facts over in their minds they will realize that there are very strong grounds on which many of our leading men argue for debt cancellation, though I am bound to confess they have become strangely silent on the point. I hope it is not asking too much of you to republish the accompanying letter, but I certainly think it would be doing that "weary old Titan," Great Britain, a bit of justice if you would do so, as it so strongly reflects the good feeling that existed in Great Britain towards Germany before the Germans evidenced their ambition to put the British Empire out of business. It also should impress on native-born Americans of three or four generations' standing the fate that was impending on themselves, and that there is, indeed, a call for some sort of gratefulness that, through the struggles of their "Associates" for self-preservation, they, themselves, escaped this impending fate at comparatively small cost in lives and money.

M. B. WILD.

The letter of 1909, as it appeared in the Baltimore Sun, and to which Mr. Wild refers, is as follows:

"You have evidently begun to appreciate the seriousness of the condition of feeling between the English and German people. See the editorial in your issue of the 23d inst. Hitherto you have rather treated this condition as a joke, but the conversion of Mr. Frederick Harrison seems to have brought with it your conversion also. It is a most lamentable state of affairs. If you will look over some of your recent more or less jocular remarks on the subject you will observe that you incline to blame England rather than Germany for it. Here is another view of the case:

"Probably 40 years ago Bismarck predicted that South Africa would prove the grave of the British Empire. This prediction was based on the general belief at that time, and for long after, that the fighting power of England was 150,000 men, and certainly if that had been, all England was able to put in the field in the Boer War, Bismarck's prediction would have been fulfilled.

"Considering all that Bismarck did for modern Germany it is not surprising that the large mass of Germans looked upon him as a very reliable prophet. England even encouraged this idea in Tenniel's celebrated cartoon, entitled "Dropping the Pilot," at the time when the present Emperor got rid of the Bismarck tutelage, as he was pleased to consider Bismarck's guidance.

"Now, the Germans, surveying this broad earth, could not for the life of them discover who possibly could be the inheritors of the British Empire, if not they themselves. It is easy, therefore, to see what must have been their disgust

when they realized how greatly they had underestimated the potentialities of the British Empire as a fighting implement, and that South Africa, far from proving the grave of the Empire, had but served to bring out and emphasize those potentialities. This goes a long way to account for the utterances and caricatures of German newspapers as the Boer War progressed to its inevitable end.

"There can be little doubt that Germany would have intervened on behalf of the Boers had there been a reasonable prospect of her navy being able to encounter that of Britain on nearly anything approaching equal terms. Not that she had any special love for the Boers, but that she was anxious to come into her inheritance.

"The situation taught the Germans a lesson, and from that time on they have been urging along with ever-increasing impatience the building of ships, using, as some say, every possible means to conceal the progress they are making.

"Now, no one can deny the right of the Germans to build all the ships they desire, but in view of the fact that German cross-sea interests are comparatively small, and of the additional fact that England's existence depends on her control of sea communications, it ought not to surprise the most peace-loving persons that there is considerable alarm in England over the German energy in shipbuilding, especially in view of the expressions of enmity toward England that have been so noticeable both in the German press and among individuals of late years. The condition of the German mind is well expressed in a recent statement in a German paper that Germany had settled, first with Austria, then with France, now only England remains to be settled with. The difficulty is to discover what settlement with England is desired or of what England has been guilty toward Germany to occasion the need for a settlement.

"It does not require a very deep knowledge of history to know that England and Germany have stood for very much the same things through the centuries. Englishmen and Germans, more especially North Germans, have stood shoulder to shoulder on many a battle field. What has come over the spirit of the dream? Is it that the greed of wealth is sinking all the finer instincts of human nature and inducing the belief that the struggles of the past for intellectual freedom and to secure the finest blossomings of Christianity were a mistake and should be forgotten?

"No people has been more ready to acknowledge the many virtues of the German character than has the English people. Numberless cases could be cited of Germans of ability who have taken up their abode in England and become accepted members of the community, many of them rising to high place and position. In many homes in England German tutors and governesses have been welcomed and the kindly philosophy of the German character has been thoroughly appreciated in such homes. Up to the date of the Boer War the English people flattered themselves that they had no closer friends than the Germans, and it was with a feeling akin to dismay that they woke to find so much enmity toward them rankling in the German breast. It is much to be hoped that a better state of feeling can be evolved before long, and it would seem that this country can do some pioneer work now as it has in the past by drawing attention to how well men of English and German blood can get along side by side.

"Possibly a wide view of the world situation at this time may impress quarrelsome people with the fact that Christendom is in a sense on its trial before the world, and that for two of its foremost champions to be quarreling over 'filthy lucre' or world exploitation is a horrible commentary on those of its elements which are said to prove its superiority over all other faiths.

"None but those of the 'd— phool' kind could look upon a war between England and Germany as anything less than a tremendous disaster to the cause of human progress."

Wants This Country to Apply Christian Statesmanship to Allies' Debts.

Micajah Pocahontas Coal Company.

Micajah, W. Va., July 8.

Editor Manufacturers Record:

Mr. Marbury's article on cancelling the debts due us by the Allies is an excellent one, timely and entirely in accord with the opinions of a great many people who rarely, if ever, express themselves in print.

It seems strange that a great and generous nation like the United States should be willing to waive all claims for in-

demnity from its former enemies and exact payment from its Allies.

This country has been more blessed than any other known to history, and it is as little as it can do to show some gratitude to the Giver of all things by sharing some of its prosperity with its sister nations in Europe. Christ, in one of His parables, seems to point the way and how it should be done.

It also appears that the only way the debt can be paid is by importing manufactured goods to this country; therefore, is not the cancellation of the debts in line with expediency?

Would this not be a step in the direction of permanent peace? It has been proven that war cannot be prevented by either preparedness or the lack of it; then why not try an application of the teachings of Christ?

Nations are nothing but the banding together of individuals. It would be a contemptible individual who would loan his neighbor a weapon to fight off a common enemy and then require pay for the use of the weapon. Is not that the thing we are doing?

Christian nations are supposed to have Christian leaders, but does history record a single case of any importance in which Christian principles have been applied to international relations? Let this country be the one to show the way.

L. R. TAYLOR,

President and General Manager.

Opposed to Cancelling Europe's Debts.

Batesville, Ark., July 7.

Editor Manufacturers Record:

Being interested in national affairs as any other private citizen should be, I could not help but express in part my views relating to the article published in your magazine under date of June 25, and in which you asked for expressions regarding Wm. L. Marbury's article, namely: "Shall America Cancel the Debts Due Us By Our Allies?"

Mr. Marbury's arguments are purely sentimental, and I really failed to note any fundamental economic reason why we, as Americans, should cancel loans made to Europe when these loans were made in good faith and not for the purpose of sheltering up. But where is America geographically? Near France or Germany, or on this side of the Atlantic? If France and the rest of our Allies had come to America to end the war, it might be possible to believe that our loans were in reality at our expense, but such was not the case. We went across the Atlantic to end sooner that great conflict which threatened the whole universe, and not to save our hides. We had billions of dollars invested in Europe and it was our business to make them safe as well as humanity. But why, in the name of truth, should we deliberately defeat the purpose we had in view, although this may be a raw fact?

Europe ought to be glad that they have liberty instead of tyranny, which was to be their lot if Germany had won. Really, this is the first intimation which I have read that we went into the war with a selfish motive. At the time most of the loans were made, we were not participating in the World War, and the loans were made upon the faith that they would be paid. Why would it be right for Europe to accept such an offer any more than it would be right for the representatives of our Government to make it? Are a few paltry billions of dollars something to be sneered at, or is it something to be handled seriously?

The idea that we would be considered "good fellows," so to speak, by cancelling the debts is as amusing to me as the likelihood of Uncle Sam canceling my income-tax obligation.

Did we shirk our duty when the time came to send millions of dollars for the relief of stricken Europeans during and after the World War? America will win the good-will of

the Europeans far more by showing them how to help themselves than by cancelling their moral obligation. When an American dollar is sent in the form of clothes, food, etc., and the recipient knows it is America that is giving it, then they actually enjoy its use to a much greater degree than they would appreciate the cancellation of their obligation, which I believe would be their doom. I truly and sincerely believe that should we favor Mr. Marbury's suggestion, we would find Europe planning another war to gain a few other points which they failed to win.

The most effective way, in my mind, to keep peace in Europe is to hold as a club over their heads this staggering indebtedness which they owe. This fact did not impress me much until I read a recent article on the trouble the Spaniards and French are now experiencing. A war would now exist if they could afford it.

Another fact which should knock out that plausible idea of Mr. Marbury's and others is that England has already managed to arrange to pay its indebtedness to us by curtailing the production of raw rubber. This I read in your magazine some time ago and accepted it as truth. Even if we do

pay for it that way, we are at least making them work for it, and this is the point I wish to bring out:

"Let Us Help Europe by Showing Her How to Help Herself."

Assuming that we would cancel the debt, did it ever occur to you what infinite good Uncle Sam could do if he compelled the Allied Powers to take those billions and spend them in the development of their masses by making it possible for each individual to attain success by his effort as does any American who will try? Spend it in public welfare, in education and by reducing "want" to a minimum. Would this not be the best insurance against future wars?

In concluding, let me tell you how much I enjoy your magazine, as I literally eat every word in your issues, although with some articles I do not entirely agree, yet, they are written in the proper spirit. Let me wish you godspeed for continuation of the unbiased presentation of facts, taking heed to no interests which should attempt to threaten you because they have been brought to light.

F. J. VENNER,

Bachelor of Commercial Science.

B. F. Yoakum Suggests a Plan for Payment of Indebtedness of Our Allies.

17 East 42nd Street.

New York, July 8.

Editor *Manufacturers Record*:

In my memoranda to President Coolidge concerning the settlement of the French debt you will observe from the whole tenor of my presentation of the subject that I did not favor a cancellation of the debts which our Allies, or Associates, in the World War owe us. You will, also, observe that under the plan I laid before the President the terms of the settlement, both as to the interest to be paid and the duration of the life of the proposed funding arrangement, marked liberality is suggested. I cannot regard the cancellation of such international debts either as good finance, good statesmanship or good neighborliness. Under my proposed plan France and all of our other European debtors would be given 79 years in which to amortize their debts, at the rate of 1 per cent per annum, and Great Britain should be included on the same terms as other nations, as unjustifiable discrimination cannot be defended. Amortization would be effected automatically in 79 years, and without hardship upon any of our debtors. Hardship is provided against by reversing the established method of amortization by the last payment being made the first payment and the first payment the last.

We are now commercial leaders of the world, and the fundamental process of our European debtors would logically and inevitably make us the world financial leader. With this dual leadership, our responsibility to civilization would be of such stupendous importance that its reaction upon our statesmanship and citizenship would have a moral and spiritual effect that would stabilize American character and institutes.

In the settlement of the debts on this basis a powerful force for the debt maintenance of world peace would undoubtedly be set in motion.

These considerations certainly are high enough to enlist the sympathy and co-operation of every American who realizes that it behooves us to do everything in our power to preserve American institutions upon the democratic basis laid by the fathers of the Republic.

These are a few of the authorities that have determined my attitude on this whole grave question.

I take pleasure in enclosing herewith a memorandum to President Coolidge.

B. F. YOAKUM.

MEMORANDUM TO PRESIDENT COOLIDGE

By B. F. YOAKUM.

ILLUSTRATING A PLAN TO DISCHARGE THE DEBT OF FRANCE TO THE UNITED STATES IN 79 YEARS, THROUGH A REVERSAL OF MATURITY DATES OF AMORTIZATION AND INTEREST PAYMENTS.

UNDER THIS PLAN THE SEVENTY-NINTH YEAR PAYMENT WOULD BE DUE THE FIRST YEAR AND THE FIRST YEAR PAYMENT WOULD BE DUE THE SEVENTY-NINTH YEAR.

The Reason.

Five-sixths of the civilized world is facing a crisis caused by the most destructive war the world has ever known.

If the aggressor nation seeking to become master of commerce and domain had succeeded, America and Americans would have fallen under its power and control.

This war of destruction was fought primarily by us in defense of the foreign nations, now our debtors.

Yet we cannot deny the fact that they, in protecting their respective countries, saved this country from the same fate that would have befallen them had they been defeated.

Defeat was staring them in the face when the United States came to their rescue with the sacrifice of its brave soldiers and loans of large sums of money.

Justification.

The Allied countries spilled their blood in a common cause with ours. Why permit a money controversy to stand in the way of doing full justice to our unfortunate Allies?

Let them feel that this rich nation, founded upon the principles of democracy, stands ready to extend liberal and substantial aid.

If and as they repair their ruins they want to anticipate earlier payments, all well and good.

Upon reflection, all must realize that the payment of money advanced by this country to its foreign Allies is not the only question involved.

Their capacity to buy our raw material and manufactured goods is important from the laborer who produces to the banker who finances.

The Plan.

To illustrate, I have used the indebtedness of France of \$4,000,000,000 (round figures) and shown how the obligation could be paid off in 79 years. Reading from the top of the schedule would call for \$150,000,000 initial payment, with a corresponding decreased payment annually—a present burden too heavy under existing conditions.

This can be overcome with the same final results by amortizing from the last payment upward, thus making the initial payment \$40,200,000, with a corresponding increased payment annually as shown by the attached schedule.

This would enable our unfortunate Allied debtor to start with the light payments, increasing annually with its recovery from its desperate financial condition.

AMORTIZATION PAYMENTS, FIRST TO FOURTH YEAR,
1 3/4 % OF PRINCIPAL.

	Principal	Yearly amortization payments on total obligation	Yearly interest payments at 2%	Under proposed plan these payments on principal and interest would be due on the
1st year....	\$4,000,000.000	\$70,000,000	\$80,000,000	79th year
2nd "....	3,930,000,000	70,000,000	78,600,000	78th "
3rd "....	3,860,000,000	70,000,000	77,200,000	77th "
4th "....	3,790,000,000	70,000,000	75,800,000	76th "

AMORTIZATION PAYMENTS, FIFTH TO FOURTEENTH
YEAR, INCLUSIVE, 1 3/4 % OF PRINCIPAL.

5th year....	\$3,720,000,000	\$65,000,000	\$74,400,000	75th year
6th "....	3,655,000,000	65,000,000	73,100,000	74th "
7th "....	3,590,000,000	65,000,000	71,800,000	73rd "
8th "....	3,525,000,000	65,000,000	70,500,000	72nd "
9th "....	3,460,000,000	65,000,000	69,200,000	71st "
10th "....	3,395,000,000	65,000,000	67,900,000	70th "
11th "....	3,330,000,000	65,000,000	66,600,000	69th "
12th "....	3,265,000,000	65,000,000	65,300,000	68th "
13th "....	3,200,000,000	65,000,000	64,000,000	67th "
14th "....	3,135,000,000	65,000,000	62,700,000	66th "

AMORTIZATION PAYMENTS, FIFTEENTH TO TWENTY-FOURTH
YEAR, INCLUSIVE, 1 3/4 % OF PRINCIPAL.

15th year....	\$3,070,000,000	\$60,000,000	\$61,400,000	65th year
16th "....	3,010,000,000	60,000,000	60,200,000	64th "
17th "....	2,950,000,000	60,000,000	59,000,000	63rd "
18th "....	2,890,000,000	60,000,000	57,800,000	62nd "
19th "....	2,830,000,000	60,000,000	56,600,000	61st "
20th "....	2,770,000,000	60,000,000	55,400,000	60th "
21st "....	2,710,000,000	60,000,000	54,200,000	59th "
22nd "....	2,650,000,000	60,000,000	53,000,000	58th "
23rd "....	2,590,000,000	60,000,000	51,800,000	57th "
24th "....	2,530,000,000	60,000,000	50,600,000	56th "

AMORTIZATION PAYMENTS, TWENTY-FIFTH TO THIRTY-
FOURTH YEAR, INCLUSIVE, 1 3/4 % OF PRINCIPAL.

25th year....	\$2,470,000,000	\$55,000,000	\$49,400,000	55th year
26th "....	2,415,000,000	55,000,000	48,300,000	54th "
27th "....	2,360,000,000	55,000,000	47,200,000	53rd "
28th "....	2,305,000,000	55,000,000	46,100,000	52nd "
29th "....	2,250,000,000	55,000,000	45,000,000	51st "
30th "....	2,195,000,000	55,000,000	43,900,000	50th "
31st "....	2,140,000,000	55,000,000	42,800,000	49th "
32nd "....	2,085,000,000	55,000,000	41,700,000	48th "
33rd "....	2,030,000,000	55,000,000	40,600,000	47th "
34th "....	1,975,000,000	55,000,000	39,500,000	46th "

AMORTIZATION PAYMENTS, THIRTY-FIFTH TO FORTY-FOURTH
YEAR, INCLUSIVE, 1 3/4 % OF PRINCIPAL.

35th year....	\$1,920,000,000	\$50,000,000	\$38,400,000	45th year
36th "....	1,870,000,000	50,000,000	37,400,000	44th "
37th "....	1,820,000,000	50,000,000	36,400,000	43rd "
38th "....	1,770,000,000	50,000,000	35,400,000	42nd "
39th "....	1,720,000,000	50,000,000	34,400,000	41st "
40th "....	1,670,000,000	50,000,000	33,400,000	40th "
41st "....	1,620,000,000	50,000,000	32,400,000	39th "
42nd "....	1,570,000,000	50,000,000	31,400,000	38th "
43rd "....	1,520,000,000	50,000,000	30,400,000	37th "
44th "....	1,470,000,000	50,000,000	29,400,000	36th "

AMORTIZATION PAYMENTS, FORTY-FIFTH TO FIFTY-FOURTH
YEAR, INCLUSIVE, 1 3/4 % OF PRINCIPAL.

45th year....	\$1,420,000,000	\$45,000,000	\$28,400,000	35th year
46th "....	1,375,000,000	45,000,000	27,500,000	34th "
47th "....	1,330,000,000	45,000,000	26,600,000	33rd "
48th "....	1,285,000,000	45,000,000	25,700,000	32nd "
49th "....	1,240,000,000	45,000,000	24,800,000	31st "
50th "....	1,195,000,000	45,000,000	23,900,000	30th "
51st "....	1,150,000,000	45,000,000	23,000,000	29th "
52nd "....	1,105,000,000	45,000,000	22,100,000	28th "
53rd "....	1,060,000,000	45,000,000	21,200,000	27th "
54th "....	1,015,000,000	45,000,000	20,300,000	26th "

AMORTIZATION PAYMENTS, FIFTY-FIFTH TO SEVENTY-NINTH
YEAR, INCLUSIVE, 1 % OF PRINCIPAL.

55th year....	\$970,000,000	\$40,000,000	\$19,400,000	25th year
56th "....	930,000,000	40,000,000	18,600,000	24th "
57th "....	890,000,000	40,000,000	17,800,000	23rd "
58th "....	850,000,000	40,000,000	17,000,000	22nd "
59th "....	810,000,000	40,000,000	16,200,000	21st "
60th "....	770,000,000	40,000,000	15,400,000	20th "
61st "....	730,000,000	40,000,000	14,600,000	19th "
62nd "....	690,000,000	40,000,000	13,800,000	18th "
63rd "....	650,000,000	40,000,000	13,000,000	17th "
64th "....	610,000,000	40,000,000	12,200,000	16th "
65th "....	570,000,000	40,000,000	11,400,000	15th "
66th "....	530,000,000	40,000,000	10,600,000	14th "
67th "....	490,000,000	40,000,000	9,800,000	13th "
68th "....	450,000,000	40,000,000	9,000,000	12th "
69th "....	410,000,000	40,000,000	8,200,000	11th "
70th "....	370,000,000	40,000,000	7,400,000	10th "
71st "....	330,000,000	40,000,000	6,600,000	9th "
72nd "....	290,000,000	40,000,000	5,800,000	8th "
73rd "....	250,000,000	40,000,000	5,000,000	7th "
74th "....	210,000,000	40,000,000	4,200,000	6th "
75th "....	170,000,000	40,000,000	3,400,000	5th "
76th "....	130,000,000	40,000,000	2,600,000	4th "
77th "....	90,000,000	40,000,000	1,800,000	3rd "
78th "....	50,000,000	40,000,000	1,000,000	2nd "
79th "....	10,000,000	40,000,000	200,000	1st "

An Old Confederate Soldier Asserts That the Allies
Are Not Indebted to Us.

Delvalle, Tex., July 6.

Editor Manufacturers Record:

I endorse every word Judge Alfred S. Niles says and every word Lawyer Wm. L. Marbury says in reference to the debts our Allies *do not* justly and honestly owe us. From the beginning of that war, Belgium, Serbia, France, England and Russia were fighting our fight as much so as their own, because we were the nation Germany was especially after. They were going to divide North America into four German kingdoms for Kaiser William's sons to reign over. I said, and say it yet, that President Wilson was an idealistic pipe dreamer and had not the vision to see where this nation stood and the course *it would have to take* or be subjugated by Germany.

I said then, and say it yet, that the peace-at-any-price and sacrifice aggregation were traitors to this nation, and that it was our misfortune Roosevelt or an Andrew Jackson was not President when that war started. Neutrality was a cowardly position when we were threatened the same as the nations who were fighting our fight. We owe our national existence to the nations that fought our fight for two years and seven months before we were kicked into action by Kaiser Bill. The French army and a few thousand British soldiers saved us on the Marne, and the French saved us by holding Verdun. How soon Americans forget the slogan of the dying French soldiers, "They Shall Not Pass"! But for these and other superhuman acts of courage by our Allies Germany would be boss of the world today and there would be no British Empire nor no United States. The English language would be forbidden and English literature destroyed. Righteously and justly our Allies owe us nothing. The debt, if any, is our debt to the nations who defended us on all the battlefields in Europe and Asia Minor. I can give all the reasons for the position I took in August, 1914, but it would make this letter too long. I will say that I have not yet seen anything that does not prove my position the right one for all Americans to have taken.

B. P. TEMPLETON.

He Would Collect Every Cent from France Now.

Nocatee, Fla., July 7.

Editor Manufacturers Record:

I am in favor of collecting every cent of the French debt, and doing it now. We put up our money and saved France from the Hun, now let her come across to us. They paid the indemnity to Germany in record time after the Franco-Prussian war. Let France try to do the same thing with us now.

Personally, I know no nation but my nation, and right or wrong I am backing it in all its steps, and any man that will stop to argue the righteousness of this country in any of its dealings with other nations is not a good citizen in my estimation.

I believe a real American will put this nation first, last and always, and there is nothing that he will withhold, even to the last drop of his blood.

I feel I can say this, for I have been weighed in the balances in the last war and found ready. I went through it all from start to finish, and I know I will be present when the "drums begin to roll."

We want no war, nor any trouble with other nations, but we do want our rights, and we should get them without any beating around the bush about it. Let our yea be yea, and our nay, nay.

What we ought to do is to whip every little old nation that thinks it can walk on us and maltreat American citizens any way they wish to. Then we would get along better.

W. V. HURT.

American Investments Abroad.

Total investments of United States private capital abroad in 1924 amounted to \$9,090,000,000, 44.4 per cent of which is placed in Latin-American countries, according to an analysis of the growth of our international investments made by the National Industrial Conference Board, New York. The statement says:

"Private capital invested by United States citizens in Europe amounts to about \$1,900,000,000, or more than one-fifth of our total foreign investment of private capital. But \$1,500,000,000, or nearly four-fifths of our European commitments, are loans to Governments, not counting loans made by the United States Government to European Governments. This is significant as indicating our large direct interest in European political conditions.

"Of our total foreign investments of \$9,090,000,000, 58 per cent consists of 'private investments,' representing capital put into industrial, business, financial and other enterprises, as well as investments in real property; 42 per cent represents governmental obligations. Loans to Governments of Latin-American countries amount to \$840,000,000, or 21 per cent of our total investments there. Loans to the Canadian Governments amount to \$1,060,000,000, or 43 per cent of our total capital invested in the Dominion, but includes United States capital invested in Canadian railway securities. Comparatively little American capital has gone to Asia and Oceania, totaling \$690,000,000, or 7.6 per cent of our total foreign commitments. Of this, 64 per cent represents loans to Governments. Our Philippine investments are included in the Asiatic group.

"While from the beginning of the United States as a nation until 1914 capital moved almost entirely from Europe to America, and little from here to Europe, this movement came practically to a stop in 1914. Instead, American investments abroad, which first began to figure in the international capital account during the period of 1896 to 1914, in 1915 jumped to fifteen times annually what they had been during the last 18 years before the war. They continued to grow rapidly until in 1920 our annual investments abroad were thirty times what they had been in the pre-war period, reaching nearly a billion and a half dollars in that single year. Thereafter they fell off to about a billion dollars a year in 1924.

"Foreign investments in the United States also showed enormous increases in the years 1919 and 1920, and since then have remained at a high level compared with pre-war conditions, although they now amount to less than half as much as our investments abroad, and are more than balanced by interest and maturities of American investments abroad. The year 1923 was exceptional in that, partly due to the flight of capital from abroad, foreign investments here exceeded our new investment abroad. Especially significant is the fact that along with these changes the interest and maturities of our foreign loans have risen steadily until they now amount to half as much annually as our new investment abroad."

Baltimore Church to Erect \$250,000 Auditorium.

Contract is expected to be awarded soon for the erection of the main auditorium of the University Baptist Church at Charles and 34th streets, Baltimore, the cost of the building to be approximately \$250,000 without equipment. Plans for the structure are being prepared by John Russell Pope of New York. It will adjoin the present building, which was erected several years ago at a cost of \$75,000, and which was designed primarily for the use of the Sunday-school, but has been used for all services of the church, pending the erection of the auditorium. Willoughby M. McCormick is chairman of the building committee.

Advertising for More Hotels and Apartment Houses.

A striking advertisement, as an appeal for 300 additional apartments and 100 additional hotels to accommodate the expected record-breaking crowds next winter, is being carried in this week's issue of the MANUFACTURERS RECORD by the Chamber of Commerce of Miami Beach, Fla. It is stated that the prospective rush of winter visitors will be so great that at least 100 additional hotels and 300 apartments, if available by January 1, 1926, could be sold. An appeal is made to Northern and Western builders, contractors and investors to investigate the situation.

This is one of the most remarkable illustrations yet given of the almost incomprehensible development which is taking place in Florida. A similar demand for additional hotel and apartment-house room exists in many other cities throughout the state.

Contract for \$2,000,000 Professional Building.

Houston, Texas.—General contract has been awarded to Don Hall of this city for the erection of a 16-story professional building here to cost about \$2,000,000. The structure will be known as the Medical Arts Building and will be located at Caroline street and Walker avenue, the ground floor to be occupied by medical-supply firms and drug stores. It is intended primarily as an office building for physicians and dentists.

A two-story building will be erected in connection with the new structure to be used exclusively as a garage by tenants. Sanguinet, Staats, Hedrick & Gottlieb of Houston are the architects. Financial details are being handled by Munford W. Hoover. Bonds will be underwritten by Sutherland, Barry & Co., Inc., of New Orleans.

\$3,000,000 Transfer of Cement Properties.

Birmingham, Ala.—While no official statement has been made as to the amount of money represented, it is believed here that the recent purchase of the Phoenix Portland Cement Co.'s properties by the International Portland Cement Co. of New York will involve approximately \$3,000,000. The Phoenix Company has a large manufacturing plant in operation at Birmingham and has awarded contracts for a plant at New Orleans. The Alabama Portland Cement Co. of this city is a subsidiary of the International Portland Cement Co., which operates a number of Southern plants.

Daytona May Vote \$800,000 of School Bonds.

Daytona, Fla.—A petition is being circulated in this city requesting city officials to call an election on a bond issue of \$800,000 for the expansion of Daytona's school facilities. Tentative plans provide for the expenditure of \$495,000 to build the first units of six new school buildings, the remaining funds to be used for construction of additions as needed.

Alabama Power Company to Get Excess Muscle Shoals Power Next Month.

Birmingham, Ala.—The Alabama Power Co. was the only bidder for the excess power to be generated at Muscle Shoals during August, when tests are made, and it will probably get the contract. The company's bid was two mills per kilowatt hour.

The city of Selma, Ala., T. J. Rowell, mayor, will vote August 7 on a bond issue of \$150,000 for the construction of sanitary sewers.

Muscle Shoals and the Nitrate Situation.

Views on Muscle Shoals of President Martin of Alabama Power Co.

Alabama Power Company.

Birmingham, Ala.

Hon. John C. McKenzie, Chairman,

Muscle Shoals Inquiry.

In further answer to your letter to the Alabama Power Company dated April 21, 1925, we beg to submit the following views with respect to the best method of utilizing the facilities belonging to the Government at Muscle Shoals:

We believe that the Muscle Shoals power primarily should be used in the manufacture of fertilizer, and that every effort should be made to utilize the power for this purpose. When a plan of fertilizer production is entered upon, there will be much surplus power which can be readily absorbed in public service in the territory surrounding and adjacent to these plants. Within a short time, however, other power developments would be necessary to supply increased market demands.

We believe that every effort should be made to develop commercially the manufacture of fertilizer at Muscle Shoals, utilizing for that purpose such facilities of the Government as may be required from time to time. The manufacture of fertilizer by use of electric power has not now reached the stage where any large program for commercial manufacture can be entered into immediately, but we believe that a program involving research and experimental work on a liberal scale and manufacture on a small scale should be commenced.

Recognizing the necessity for reserving such power as will be required for fertilizer production and the operation of nitrate plants in the interest of national safety, it is our view that mutually advantageous arrangements can be made by which ample power will be available for such purposes, varying in amount as the situation demands, at the same time providing the maximum amount of surplus power for distribution through public-utility service. Such an arrangement would insure the maximum development of power resources at Muscle Shoals and in the adjacent territory at the most economical cost per unit of power, both for nitrate production and for public use.

We believe that we are in position to very materially assist in co-ordinating the power facilities at Muscle Shoals with power resources in other localities in the Southeastern states now interconnected and to be interconnected, thereby making a maximum amount of power available for all purposes. To this end we are prepared to co-operate with such agency, or agencies, as may be created for the manufacture of fertilizer ingredients in time of peace and for nitrates in time of war.

This company has on several occasions presented plans looking to the leasing and operation of the Muscle Shoals plants. We stand ready to discuss such proposals or to co-operate under any other plan that may be determined upon by the Commission for the operation of the Muscle Shoals properties, and beg to tender our facilities to the end of working out a satisfactory plan in the greatest public interest.

Replying to the last paragraph of your letter, we beg to say that it will be agreeable for representatives of this company to appear personally before the Commission if the Commission wishes to take the matter up further with us.

By THOMAS W. MARTIN, President.

Believes Value of Power for Industrial and Domestic Use Greater Than Its Value for Nitrogen Fixation.

250 Park Avenue,

New York.

Hon. John C. McKenzie, Chairman,

Muscle Shoals Inquiry.

Regarding Muscle Shoals power, I feel that the greatest good to the greatest number would be obtained by disposing of it to the highest satisfactory bidder for domestic and industrial purposes, and that Plant No. 2 be maintained in stand-by condition for use only in the event of national emergency—such period of maintenance in condition to operate to be limited to five years, from this time and further periods to be considered at the expiration of such five-year period.

Since 1914 tremendous strides have taken place in the nitrogen-fixation industry, and what was true regarding it at that time and during the war is no longer true today. The determining factor in the cost of ammonia production is the cost of hydrogen. Until chemical processes for the purification of hydrogen were developed, hydrogen was produced by electrolysis. Today hydrogen from water gas and hydrogen as the result of the purification of waste coke-oven gases, particularly the latter, can be produced so cheaply that the production of hydrogen electrolytically is economically wrong where the power can be sold at a higher figure for other purposes.

It is true that nitrogenous fertilizer materials can be made at Muscle Shoals, but any power charge of over \$10 or thereabouts would result in a cost of production higher than present wholesale selling prices of sulphate of ammonia, which material is by-product material and must be sold, and which is now in such supply that we have an exportable surplus.

I would point out that at Muscle Shoals only one of the three necessary fertilizer ingredients can be produced—nitrogen (expressed as ammonia, NH_3)—and that the farmer must look elsewhere for his potash and phosphoric acid. Frankly, I do not see how the fixation of nitrogen could be of any great benefit to the fertilizer user. In order to avail himself of any benefit which might follow his ability to buy sulphate of ammonia at cost, he must arrange to do his own mixing, and he can do that now if he will and as I indicated in my testimony before the Senate Committee on Agriculture last May. Right now he could save himself around \$9 per ton on a 2-8-2 commercial fertilizer mixture if he would combine with his neighbors, purchase his raw material in the open market and do "community mixing"; but he does nothing.

I advocate maintaining Plant No. 2 in stand-by condition for five years, because I expect by 1930 to see so much ammonia produced in this country that Muscle Shoals will no longer be required as a backlog for nitrogen fixation in case of national emergency. Our ammonia industry is developing rapidly and is in excellent hands, and by the end of this year we should be producing at the rate of something over 25,000 tons per year actual NH_3 by synthesis, and this will probably be doubled within two years from this time.

Other countries are just as active as we are, if not more so, in connection with nitrogen fixation, and our present exportable surplus of sulphate of ammonia is not only going to become larger, but increasingly difficult to dispose of abroad. Like ourselves, Germany has become an exporter since 1914, is even now shipping to us, and is selling in the Far East at prices below us in many instances, and England is fighting to recapture her Far East business. Italy, France and Japan

are aiming at self-sufficiency, and will accomplish it eventually, and there are many other fixation projects afoot of which your committee is probably informed. I can see nothing but world overproduction, and in the not distant future.

There is a demand in the South for power for domestic and industrial use far in excess of the value of the power for nitrogen fixation.

The only value of Muscle Shoals to agriculture, as I see it, is to emphasize to the fertilizer user that he can save a large part of his fertilizer bill if he cares to exert himself to do so.

WILLIAM CALLAN.

From the Managing Director of the Farmers' National Council.

Farmers National Council.

Washington, D. C.

Hon. John C. McKenzie, Chairman,
Muscle Shoals Inquiry.

We are in receipt of your letter of April 21 asking that we submit our views on the purposes for which your Commission was appointed.

One of the most hopeful things about your Commission is that, knowing the views of the Farmers' National Council, you have the foresight to request that we submit them. While it has been my privilege to follow the debate on Muscle Shoals, I am not an expert on chemistry. Permit me to remark, however, that for any Congress to suggest that we have got to get ready for another war indicates at least moral treason to the purposes for which we entered the war to end war, if my memory serves me correctly as to the propaganda which emanated from the Government during the most useless and unnecessary of all wars. Of course, Mr. Bower, a member of your Commission by virtue of something-or-other, has been telling us that the purpose of Muscle Shoals was to develop nitrate for fertilizer, and I am pleased to note that this objective has not been entirely overlooked in the resolution creating the commission.

All the organizations in the Farmers' National Council stand unequivocally for Government ownership and development of the water-power of the nation. We know that the Government is not 100 per cent efficient, in which it has taken a leaf out of the experience and practices of most big business corporations which are from 25 to 50 per cent inefficient. I believe Mr. Hoover puts the average of waste at 30 per cent. Without question, the interests which demand that Muscle Shoals be turned over to them do so not because of any alleged inefficiency on the part of Government but because of their established proficiency in profiteering. Of this the members of your Commission are well aware. I invited the President to inform the public as to the previous corporation and lobbying connections of all members of your Commission, and he didn't acknowledge receipt of my letter, but I shall take the liberty of discussing the propriety of such action in about 24 states from here to the Coast this summer. If the Government cannot operate efficiently an enterprise like Muscle Shoals, which must be an integral part of the great giant power system publically owned, then that Government ought to resign.

Of course, if your Commission wished to have me appear personally and to consult with me further, I shall be glad to do so, but shall be here only a few days between now and the latter part of August.

BENJAMIN C. MARSH,
Managing Director.

A second letter from Mr. Marsh to the chairman of the Muscle Shoals Inquiry is as follows:

"I am in receipt of your letter of May 1 and thank you for writing me. Evidently I did not make our position suffi-

ciently clear. The organizations in the Farmers' National Council are interested in fertilizers at a reasonable price. They want this tried out under efficient and honest management on the Muscle Shoals project. We do not believe, though, with what information we have, that by any means all of the primary power which is developed at Muscle Shoals will be needed for production of nitrates for fertilizers. That this is the case seems to be well proven by the terrific effort which private interests are making to get Muscle Shoals, and they have no special interest in fertilizers. We do feel that the Government, having invested what money it has in the Muscle Shoals development, should complete the development, and that the Government should operate it and develop the maximum power, and that this development should be part of the general giant power system.

"The Government would have to fix the rates to be charged, and the power that would be produced should be sold to any business enterprise, i. e., the surplus over that needed for the manufacture of fertilizers."

Building \$1,000,000 Hotel at Passagrille.

Concerning a new \$1,000,000 hotel it is erecting at Passagrille, Fla., the Thomas J. Rowe Corporation of St. Petersburg wires the MANUFACTURERS RECORD that the structure will be of reinforced concrete, eight stories, of Persian architecture, and will contain 210 guest rooms, 100 rooms for employees and 100 additional bathrooms for Gulf and pool bathers. A special feature will be a combination Roman plunge, promenade and fishing pier in the Gulf of Mexico. The structure will be known as Hotel Don CeSar and is expected to be ready for guests by December, 1926. Henry H. Dupont is the architect, and Carlton W. Beard, general contractor, both of St. Petersburg.

Stocks of Anthracite and Bituminous Coal.

An inventory of the stocks of bituminous coal in the hands of consumers conducted by the Geological Survey revealed the following facts: The total quantity in storage on June 1, 1925, was 38,000,000 net tons, against 44,000,000 tons on March 1, 1925, and 51,000,000 tons on June 1, 1924; the trend of stocks has been steadily downward since the early part of 1924, and the heavy reserves built up by consumers in late 1923 have been reduced to more normal proportions; in fact, the present supply is slightly less than that in the summer of 1921.

Retail dealers in anthracite had 52 days' supply of that fuel on June 1, an increase of 11 per cent over the supply on March 1 and slightly more than that on June 1, 1924. The movement of anthracite in the Lake trade began early this season and as a result the total on the upper Lake docks now stands close to 1,000,000 tons. This is more than double the quantity on the corresponding date a year ago.

Hiram Barney, Known to Manufacturers Record Readers, Dies at Early Age.

Hiram Barney, who from time to time wrote for the MANUFACTURERS RECORD a number of special articles which attracted wide attention, died July 4 at his residence in New York. Mr. Barney, who was in only the fortieth year of his age, was a member of the law firm of Pruyn & Barney of that city, and was conspicuous for his work as a lawyer in international affairs since the World War. Last winter he returned from Poland, where he arranged details of an important flotation of bonds in this country. Since then he had been under the care of specialists because of the condition of his health resulting from severe work abroad. He was formerly chairman of the International Finance Committee of the American Exporters and Importers Association and also a director of the Parsons Loading Co., and he formulated a plan to stabilize foreign exchange and to secure American participation in rehabilitating Europe.

Predicts North Carolina Sandhills Will Ship 6000 Cars of Peaches Annually.

A short history of the North Carolina peach industry and the main facts of its development are outlined by W. C. Presnell in the June number of North Carolina Commerce and Industry, issued by the University of North Carolina. The article shows that during the last ten years peach growing has become one of the large industries of the state. The peach-growing section is centralized in the south-central part of the state, usually referred to as the "Sandhills." This section comprises an area of 1050 square miles in Moore, Montgomery, Richmond, Scotland and Hoke counties.

The first peach orchard of commercial importance was planted near Southern Pines by J. Van Lindley in 1892 and consisted of 50,000 trees. At first, due to the lack of sprays to control pests, the peach business was only moderately successful, but in 1905 methods of control were developed and several new orchards started, so that by 1909 adequate returns from peach growing were assured, resulting in the setting out of additional orchards by winter tourists to that region, and the industry passed beyond the experimental stage to become a leading one of the state.

In 1918 43 cars of peaches were shipped, after which production increased rapidly, and by 1920 the shipments amounted to 351 cars, steadily increasing each year until in 1924 peach shipments reached 1474 cars. When all the trees now planted reach the bearing age, Mr. Presnell states the output of the section will probably be a minimum of 6000 cars annually.

Practically all of the North Carolina peaches are now shipped to the Atlantic seaboard, though some go as far west as the Mississippi River and as far north as Canada. North Carolina is said to have the advantage of entering the market between the Georgia crop, the chief competitor of North Carolina peaches, and the crops of Maryland and West Virginia.

Discussing further the marketing organization of the industry and the factors in peach-growing development in the Sandhills region, Mr. Presnell states:

"Like most other agricultural producers in recent years, the Sandhill peach growers have turned their attention to co-operative marketing organization. About 1920 the Sandhill Fruit Growers Association was organized. This association has undergone many changes and has experienced many difficulties. In 1924 there was a split in the ranks and an additional loosely bound mutual organization came into existence. At present these two organizations market the output of the Sandhill peach section through the American Fruit Growers, Inc., and the Federated Fruit and Vegetable Growers, Inc.

"There are three factors which have made possible the development of the peach industry in North Carolina: (1) Climate, (2) site location and (3) nearness to markets. In the Sandhills climatic conditions are good, the soil is ideal, drainage is perfect and the trees are little subject to attack from fungus diseases. Only once in fifteen years, according to statistics, has there been a total crop failure. Due to natural topography, there is general freedom from frost.

"Orchard sites are confined almost entirely to slopes, plateaus and ridges. There are apparently only two limitations of any importance on site location. The first is the limitation of orchards to the slopes and elevated areas in order to avoid frost damage; the second is the nearness to railway facilities. With these two exceptions, and the latter is not so serious since almost all the peach orchards are within five miles of a railroad, the whole area offers the finest type of site location.

"Another factor in the development is the nearness of the Sandhill peach belt to the market. With the Norfolk Southern and the Seaboard Air Line railroads penetrating the territory, it is possible to move the entire peach crop by rail to the Atlantic seaboard and other market centers at an advantage which few other peach-growing areas have."

Bids Asked for \$275,000 City Hall.

Lakeland, Fla.—Proposals will be received until July 21 by the City Commission of Lakeland for the erection of a city hall and auditorium to cost about \$275,000. Plans and specifications may be obtained from Franklin O. Adams, Jr., architect, Tampa, and proposals addressed and delivered to the city clerk at Lakeland.

Sells \$350,000 of Bonds for Electric Extensions.

Sarasota, Fla.—Bonds in the amount of \$350,000 have been sold by the city of Sarasota, E. J. Bacon, mayor, to the Trust Company of Georgia, Atlanta, and Ryan, Sutherland & Co., Toledo. The bonds will bear an interest rate of 5½ per cent and will mature in five-year periods from 1930 to 1945, inclusive.

New \$300,000 Ice Plant for Atlanta.

Atlanta, Ga., July 2—[Special.]—Plans are being perfected by the Atlantic Ice & Coal Co. for the construction at Brookwood station, on the Southern Railway near here, of an ice plant estimated to cost \$300,000. The plant will be of steel, reinforced concrete and brick, and of fireproof construction. It will be operated by electricity and will have a capacity, it is said, of 200 tons of ice per day. Construction will begin soon on the first unit, which will cost approximately \$140,000.

7500-Horsepower Development in Alabama.

Surveys are being made and plans prepared for the proposed O'Neal plant, a 7500-horsepower development on the Patsilaga River near Gannt, Ala., to be undertaken by the River Falls Power Co. of River Falls, Ala. The dam will have an effective head of 50 feet, while the lake to be created will cover an area of 10,000 acres. The Southern Engineering Corporation of Albany, Ga., is the engineer.

The town of Luverne, Ala., has contracted with the River Falls Power Co. for supplying power for utilities and industries for a period of 30 years, and in order to meet its requirements the company will construct a 44-KV. line from Brantley, Ala., to Luverne, a distance of about 12 miles. It will purchase immediately single-phase oil-cooled transformers, line material, sub-station equipment, etc.

Report on Steel Ingot Production.

Herewith is the monthly production of steel ingots from January, 1924, to June, 1925, as reported to the American Iron and Steel Institute by companies which made 94.43 per cent of the steel ingot production in 1924:

Months, 1924	Openhearth	Bessemer	All other	Monthly production companies reporting	Calculated monthly production all companies	No of working days	Approx. daily production all companies. Gross tons
Jan.	2,766,534	667,032	12,577	3,446,143	3,649,913	27	135,182
Feb.	2,902,641	695,905	14,085	3,612,631	3,826,246	25	153,050
March	3,249,783	706,801	15,260	3,971,844	4,206,690	26	161,796
April	2,575,788	573,381	12,356	3,161,525	3,348,466	26	128,787
May	2,060,896	425,099	6,648	2,492,643	2,640,034	27	97,779
June	1,637,660	310,070	2,622	1,950,352	2,065,676	25	82,627
6 Mos. . .	15,193,302	3,378,288	63,548	18,635,138	19,737,034	156	126,519
July	1,525,912	241,880	5,162	1,772,954	1,877,789	26	72,223
Aug.	2,042,820	361,781	5,764	2,410,365	2,552,891	26	98,188
Sept.	2,252,976	409,922	6,864	2,669,762	2,827,625	26	108,755
Oct.	2,505,403	438,468	7,058	2,950,929	3,125,418	27	115,756
Nov.	2,479,147	459,349	8,403	2,946,899	3,121,149	25	124,946
Dec.	2,811,771	546,506	11,707	3,369,984	3,569,251	26	137,279
Total....	28,811,331	5,836,194	108,506	34,756,031	36,811,157	312	117,984
1925							
Jan.	3,262,748	689,996	11,960	3,964,704	4,198,564	27	155,502
Feb.	2,931,964	602,042	13,014	3,547,020	3,756,243	24	156,510
March	3,336,169	614,860	13,633	3,964,662	4,198,520	26	161,482
April	2,857,802	515,715	14,182	3,387,699	3,587,524	26	137,982
May	2,754,130	497,708	13,790	3,265,628	3,458,253	26	133,010
June	2,538,988	476,945	12,490	3,028,423	3,207,056	26	123,348
6 Mos. . .	17,681,801	3,397,266	79,069	21,158,136	22,406,160	155	144,556

THE IRON AND STEEL SITUATION

Heavy Steel Consumption in Past Six Months— Stocks Are Light.

Pittsburgh, July 13—[Special.]—Sentiment in the general steel trade, among sellers and buyers alike, has improved further in the past week. Owing to the tradition, which as a matter of fact is not at all well supported by precedents, that July is naturally a dull month in steel, the tendency is to predict an improvement in buying and production in August.

The steel producing trade, however, is not thinking much about sentiment these days, for there are plain facts that will be more beneficial to the mills than would a mere change in sentiment. The great fact is that consumption of steel in the past six months has been very heavy, and as stocks are very light and consumption has such momentum that there can be no large decrease, unless from circumstances now unforeseen, in the second half of the year, there will have to be an increase in buying and in production.

The steel ingot report for June shows a production of 3,207,056 gross tons, which represent 71 per cent of estimated capacity. The high point was a 93 per cent production in March. Last year March also showed 93 per cent, but June only 47½ per cent. Lately there has been a little decrease in mill operations, but it is now reasonably certain that July will not run below 65 per cent, and quite likely the month's average will be above that. Two months ago a prediction that July would not be below 60 per cent seemed a sanguine one.

Ingot production in the half year was 22,406,160 tons, or only 4 per cent under production in the first half of 1923, and otherwise the highest production in any of the 13 half years that have elapsed since the war. There were stocks of some size on July 1, 1923, and there was at least a little stock at the beginning of this year, while today stocks are notoriously low, as a whole. Thus actual consumption has been very heavy in the past six months, perhaps at a new high record for any half year. General business indexes are reasonably favorable, and consumption has such momentum that no large decrease is to be expected for the second half of the year. Taking July mill operations at 65 per cent, this would be 22 per cent under the average rate during the first half, when production was fully balanced by consumption; hence an increase in mill operations seems inevitable. As buying lately has not been at over 50 per cent of capacity, a decided increase in buying must come first.

The Steel Corporation's unfilled tonnage statement shows 3,710,458 tons at the end of June, representing a June decrease of 339,342 tons, against the May decrease of 396,768 tons. Bookings were approximately the same in the two months, about 48 per cent of capacity, shipments being about 76 per cent in May and 72 per cent in June. The unfilled tonnage losses represented 28 per cent of capacity for May and 24 per cent for June.

The finished steel markets have lost no ground in the matter of prices in the past three weeks, which is perhaps the longest spell of no weakening at any spot since the upturn in prices ended last February. In galvanized sheets a stiffening is reported.

While the steel market was losing ground more or less continuously for four months, the total amount of slip was small considering the keenness of the competition for orders, and the inference from this is that if the mills are given a chance, or even half a chance, by an increase in demand they will be able to stiffen prices in those lines that stand in need of relief. No large advance would be possible, nor do the mills desire any great movement. They do not feel that the last advance did them much good, and buyers pre-

serve recollections of it that are not particularly pleasant. A moderate stiffening would be welcomed in all quarters.

While railroad buying has been light for several months, and quite unsatisfactory, there is at least a little improvement now in that quarter. The Pennsylvania Railroad has placed 367 passenger-train cars, a large order for that class of equipment; the Central of Georgia is in the market for 1000 box cars and the Texas and Pacific for 750 gondolas, while the Norfolk & Western is inquiring for 46,500 tons of rails and 15,000 kegs of spikes. In all other consuming lines prospects are quite good. Fabricated steel awards in the past seven weeks run 7 per cent above the average in the first 20 weeks of the year. Operating prospects for agricultural implement and automobile manufacture are good, these lines having tapered off but little at this season. Oil production has been declining since June 1, making drilling prospects still more favorable.

Pig iron, coke and scrap show no new developments. They are all very quiet, yet firm in price, making a definite prospect that the next change, even if delayed, will represent an improvement.

Steady Market, With Production Maintained.

Birmingham, Ala., July 13—[Special.]—Turn for the better is considered assured in the Southern pig iron market early in September; in the meantime, the market is expected to continue along steadily, with production being maintained fairly well, except where there is need for repairing of blast furnaces, and no addition to the surplus stock taking place. The lower prices, down to \$18.50 per ton, No. 2 foundry, have not brought about a general buying movement. Sales are still being made from day to day, in the main, in small lots, to 300 and 500 tons, with an occasional sale of 5000 and even 10,000 tons. One of the larger consumers of pig iron is said to have dipped into the market for a little tonnage, but did not buy quite enough to see him through the remainder of the year.

Inquiries are still coming in and concessions are being asked right along despite the fact that prices are now lower than they have been for many a month. The production is still good, one furnace now being out for relining, as compared to conditions last month. Twelve blast furnaces are reported on foundry iron, 11 on basic and one on ferro-manganese, making 24 blast furnaces in all. The basic iron stock is being maintained, as there is a strong requirement for it right in the home territory. Only five of the 20 open-hearth furnaces in the district are out of commission and these require considerable basic iron.

Two of the furnace companies of the district have only a little surplus iron and both have orders in hand and in sight in excess of their probable make, for a while at least. It is probable that there will be no need for readjustment of production to meet the market conditions. Two or three of the iron-consuming industries are feeling a lagging condition and there is either complete shutdown or lagging in operations; especially is this noticeable in the cast-iron soil-pipe and fittings trade. In harvest times this industry requires a very large amount of iron. With one large corporation in soil pipe and fittings, 12 and more plants having merged, there is report that another corporation is about to be concluded which will be as large. Reduction of overhead is one of the principal objects in these mergers, numerous smaller shops requiring large forces in manufacture and sale of the product. Machine shops and foundries are enjoying benefits of diversification. Some sugar-machinery work has been turned out and is still being worked on in this district during the summer.

Steel fabricating plants have had a plentiful supply of busi-

ness, mainly in meager tonnages, no little work being done here in structural steel for use in Florida, where hotels and apartment houses, as well as other buildings, are going up in every direction, efforts being made with the hotels to have them completed before the turn of the year. Considerable building at home, too, is providing small tonnages, the aggregate of which is good.

Lettings for cast-iron pressure pipe are reported almost daily. Several specifications are also being bid on, and predictions made at the first of the year to the effect that this would be a steady year in production appear to be on the way to realization. Pipe quotations are a little firmer now, the \$40 per ton base for six-inch and over pipe being maintained. Concessions are not as frequently reported. Shipment of this product is equal to the production and at the several shops there is good output.

The coke trade is unchanged. The few independent coke producers in this district, through effort, are marketing their output. Quotations range between \$4.50 and \$5 for foundry coke, the former price being about the average. Production is being maintained. By the time the turn for the better starts in the iron and steel markets, and there is need for a greater amount of fuel, the district will be able to furnish it.

The coal trade is showing still further improvement. The steam coal demands are better. It is expected that the domestic coal buying will start in shortly and then there will be need for greater output. The weekly production is around 300,000 tons. No small amount of discussion has been indulged in as to the recent order taken by the Alabama By-Products Corporation for coal for the American Sugar Refining Company replacing oil, which the latter company for the past five years has been using as fuel. It is understood that negotiations are under way for other contracts for coal to be used in the territory where oil has been the fuel supply, and the hope is expressed that there will be a steady moving of coal from this territory into the Louisiana field indefinitely, a market rightfully belonging to this district.

The scrap iron and steel trade is still lagging, old material now moving being on orders booked some time back. Quotations are weak. Despite the low prices, consumers are not buying, feeling confident that when they will need the product they will be able to get it at satisfactory prices. Dealers in old material are keeping yards well stocked, prepared to meet the least improvement in demand. The Knight Iron & Metal Co., one of the larger dealers in old material, is preparing to move its yard and is offering relaying rails and pipe. The new yards will accord greater business activities.

Quotations on pig iron and iron and steel scrap follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$19.00; iron of 2.75 to 3.25 per cent silicon, \$19.50; iron of 3.25 to 3.75 per cent silicon, \$20.00; iron of 3.75 to 4.25 per cent silicon, \$20.50; charcoal iron, f. o. b. furnace, \$32.00.

OLD MATERIAL.

Old steel axles	\$16.00 to \$17.00
Old iron axles	16.00 to 17.00
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	16.00 to 16.50
Stove plate	13.00 to 13.50
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.00 to 16.50
Machine shop turnings	7.00 to 8.00
Cast-iron borings	7.00 to 8.00
Cast-iron borings (chem.)	15.00 to 16.00

Sale of a Short Line.

According to a press report from Knoxville, Tenn., D. B. Smith of Harrisburg, Pa., has bought the Pigeon River Railway, a standard-gauge line eight miles long from Sevierville to Pigeon Forge, Tenn., for \$31,160, the sale being at auction by order of the court. Mr. Smith is a stockholder. The line was built several years ago by the late W. J. Oliver and associates. It was intended to reach Gatlinburg, Tenn., but construction ceased at Pigeon Forge.

RAILROADS

FRISCO SYSTEM GETS LINE TO THE GULF. Expected to Build 125-Mile Connection from Jasper to Kimbrough, Ala.

The Muscle Shoals, Birmingham & Pensacola Railroad, 143 miles long from Kimbrough, Ala., on the Southern Railway, to Pensacola, Fla., has been acquired by the St. Louis-San Francisco Railroad, and a special meeting of stockholders of the latter is called for September 4 to ratify the deal, according to a press report from St. Louis, which quotes president J. M. Kurn as confirming the report of the purchase.

The road was sold at foreclosure sale April 20 at Pensacola and was bought by E. N. Brown of New York, who is chairman of the St. Louis-San Francisco Railroad, and associates for \$229,000, W. B. Harbeson, J. W. Malone and others of Pensacola being concerned with him, but it was announced at that time that his interest in it was personal and was not related to his company. The officers of the new holding company are W. B. Harbeson, president; J. W. Malone, vice-president and treasurer; J. M. Muldon, secretary. Mr. Harbeson was the receiver. John T. Steele of Buffalo, N. Y., was formerly the president of the railroad.

It is about 120 to 125 miles in a direct line from Kimbrough to the St. Louis-San Francisco Railroad's Birmingham line at Jasper, Ala., and it is supposed the "Frisco" system will build a connection over this route. Besides connecting with the Southern Railway, the existing road also connects with the Louisville & Nashville system at both Atmore, Ala., and Pensacola.

Acquisition of this railroad will enable the "Frisco" to have its own outlet at a seaport on the Gulf of Mexico, something which it was expected to enjoy years ago when it was generally understood that its trains would reach Mobile either over its own lines or over an acquired or an affiliated road.

In this connection it is important to note that the "Frisco" has also acquired the Jonesboro, Lake City & Eastern Railroad in Arkansas, running from Jonesboro to Barfield, 64 miles, with a branch from Dell to Victoria, 24 miles. R. E. Lee Wilson of Jonesboro, Ark., is president.

Important Extension in Rio Grande Valley.

Rio Grande City, Texas, July 11—[Special.]—With the completion of the extension of the St. Louis, Brownsville & Mexico Railroad up the Rio Grande Valley from Sam Fordyce to Rio Grande City, 22 miles, one of the most romantic sections of the border will be given railroad connections. The formal opening of the new line will take place about August 15, it is stated. Rio Grande City has a population of more than 4000 and is said to be the largest municipality in the United States without a railroad. Adjoining the town is Fort Ringgold, which was established immediately after the Mexican War. The post was abandoned for several years, but was rehabilitated and again occupied by troops during the World War, and is still garrisoned by a small number of soldiers. The railway extension will open to agricultural development a considerable scope of valley land which is susceptible of irrigation. The new line was started a few months ago as an independent project by W. T. Eldridge, but he recently sold it to the Missouri Pacific Railroad, which owns the Gulf Coast lines of which the St. Louis, Brownsville & Mexico is a part. It is planned to ultimately extend the line from Rio Grande City north to a connection with the San Antonio, Uvalde & Gulf Railroad at Fowlerton.

New Equipment.

Pennsylvania Railroad has ordered about \$7,000,000 of passenger-train cars to be built immediately and, including a total of 367, divided as follows: 115 passenger coaches, 222 baggage cars, 15 combination passenger and baggage cars, 5 combination passenger, baggage and mail cars, and 10 combination baggage and mail cars. Among the builders who will share in their construction are the American Car & Foundry Co., the Pressed Steel Car Co., the Pullman Car & Manufacturing Co. and the Standard Steel Car Co.; perhaps others.

Texas & Pacific Railway will purchase 10 heavy freight locomotives, 5 passenger locomotives and 10 switching locomotives, besides 750 gondola cars.

Baltimore & Ohio Railroad has ordered 5 dining cars from the Pullman Car & Mfg. Co.

Chesapeake & Ohio Railway has ordered the rebuilding of 30 Mallet type locomotives, 20 of them to be done at the Richmond plant of the American Locomotive Co. and 10 at the plant of the Newport News Shipbuilding & Drydock Co., Newport News, Va.

Central of Georgia Railway is reported in the market for 1000 ventilated box cars of 40 tons capacity and for 10 Santa Fe type locomotives.

Richmond, Fredericksburg & Potomac Railroad has ordered 2 Pacific type locomotives from the Baldwin Works and 2 Mountain type locomotives and 2 switchers from the American Locomotive Co.

Large Reduction in Freight Damage Claims.

Claims growing out of loss or damage to freight on the railroads as compared with the volume of traffic handled were the smallest during the first three months this year of any corresponding period on record, according to reports filed by the roads with the Freight Claims Division of the American Railway Association. Loss and damage claims paid during that period by the railroads amounted to \$10,444,139, a reduction of more than 23 per cent as compared with the corresponding period in 1924, notwithstanding the larger volume of freight. This reduction is the result of intensive efforts for greater economies in operation, to greater efficiency in operation and to more careful handling.

Longer Rails Adopted.

Announcement is made by the Southern Railway Company that 39-foot rail has been adopted as the standard for future use, replacing the 33-foot length which has been standard for many years. Advantages of the longer rail are said to include smoother and safer track as well as economies in laying rail and in maintenance. As is well known, the weak spot in all railway track is the joint, and by this change the number of joints in a mile of track is reduced from 320 to 271, a net saving of 49. The rails recently ordered by the Southern for delivery during the last half of 1925 will be cut in the longer dimension.

The Continued Heavy Freight Traffic.

Loading of revenue freight on the railroads during the week ended June 27 totaled 991,341 cars, according to the American Railway Association, this being an increase of 8741 cars as compared with the next preceding week, and as compared with the corresponding week last year an increase of 83,090 cars. Grain and grain products, livestock, coal, miscellaneous freight and ore all showed increases. Since January 1 there have been over 24,297,000 cars loaded with revenue freight, an increase of more than 1,112,000 cars as compared with the same period of last year.

TEXTILE

To Build \$300,000 Cotton Mill.

Victoria, Texas.—It is announced here that P. M. Keller of the Belton Yarn Mills, Belton, Texas, and George Beve-ridge, president of the Banning Cotton Mills, Banning, Ga., are interested in the organization of the Victoria Cotton Mill Co. for the construction and operation of a \$300,000 cotton mill at Victoria. Edward M. Tracy, it is said, will be president of the Victoria mills.

Ellenboro May Get Yarn Mill.

Ellenboro, N. C.—At a recent meeting of Ellenboro citizens, John Lumley, representing William H. Belk of Charlotte, presented a proposition for the erection of a yarn mill here to operate initially about 2500 spindles. It is proposed to sell stock to the amount of \$50,000 for the plant, Mr. Belk to furnish machinery. The product of the mill would be used by mills in which Mr. Belk is interested.

Buys Spinning Department of Morven Mills.

Durham, N. C.—The spinning department of the Morven Cotton Mills of this city has been purchased by C. L. Upchurch & Co. of Athens, Ga., according to an announcement here. It is understood that this transfer will not affect other activities of the Morven mills and that the company will continue the operation of its weaving department.

Cotton Manufacturers Elect Officers.

Asheville, N. C.—At separate conventions in this city recently the North Carolina and South Carolina Cotton Manufacturers Associations elected executive officers, S. F. Patterson of Roanoke Rapids being chosen president of the former and J. C. Evans of Spartanburg president of the latter.

Germany Interested in American Yarns.

In recent months German users of cotton yarns have shown considerable interest in the possibilities of importing American yarns, and Consul Christian T. Steger, Dresden, advises the Department of Commerce that American exporters might find a good market in Germany for the coarser cotton yarns, such as are now being supplied by Czecho-Slovakia. In these numbers, weavers declare that a distinct shortage exists in Germany at the present time. German consumption of cotton yarns is estimated at about 120,000 metric tons in 1924, as against 90,000 before the war.

The only important item of finished cotton textiles in the import trade is cotton piece goods, the imports of which amounted to 6116 metric tons during the first four months of 1925, compared with 6328 for the like period of 1924. In both years 50 per cent of these goods were unbleached or gray cloth, of which Great Britain furnished 1211 metric tons, Switzerland 899 and Alsace-Lorraine 746. It is interesting to note that out of the 746 metric tons imported from Alsace-Lorraine during the four-month period of the current year 631 were recorded during January, indicating that the imposition of the import duty after January 10 almost completely excluded Alsatian gray goods from the German market. This circumstance no doubt accounts for the fact that imports of both British and Swiss gray goods were considerably larger than during the first four months of 1924.

At the annual membership meeting of the Arkansas Cotton Growers' Association Charles G. Henry of Newport was re-elected president.

LUMBER AND BUILDING MATERIALS

Holiday Lull Affects Lumber Industry.

Washington, July 9.—With the usual Fourth of July holiday and suspension of many mills for repairs, reports to the National Lumber Manufacturers Association for the week ending July 4 from 352 of the principal softwood mills of the country, with 29 fewer mills reporting than for the week before, indicate noticeable reductions in new business, shipments and production. Comparing the reports received for last week a year ago, these three items are well ahead of 1924.

The report from the Southern Pine Association for unfilled orders was not received in time for publication. For 112 West Coast mills the unfilled orders were 380,415,853 feet, as against 365,536,146 feet for 115 mills a week earlier.

Altogether the 352 comparably reporting mills had shipments 110 per cent and orders 110 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 105 and 99, and for the West Coast mills 133 and 137.

Of the comparably reporting mills 331 (having a normal production for the week of 213,190,937 feet) reported production 84 per cent of normal, shipments 94 per cent and orders 95 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past week	Corresponding week 1924	Preceding week 1925 (revised)
Mills	352	356	381
Production	191,722,514	140,606,537	248,800,540
Shipments	210,849,740	164,672,815	243,766,404
Orders	210,397,575	160,958,533	228,145,211

The following revised figures compare the lumber movement for the first 27 weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925	6,527,450,171	6,456,375,235	6,283,546,035
1924	6,557,699,787	6,288,119,274	5,913,553,893
1925 increase.....	169,750,384	168,255,981	369,992,142

The West Coast Lumbermen's Association wires from Seattle that new business for the 112 mills reporting for the week ending July 3 was 37 per cent above production and shipments were 3 per cent below new business.

The Western Pine Manufacturers Association of Portland, Ore., with six fewer mills reporting last week than for the

week before, indicates noticeable decreases in production, shipments and new business.

The California Redwood Association of San Francisco reports decreases in all three factors last week as compared with the previous week.

The North Carolina Pine Association of Norfolk, Va., reports large decreases in production and shipments and a negligible decrease in new business last week as compared with the previous week.

The Northern Hemlock and Hardwood Manufacturers Association of Oshkosh, Wis. (in its softwood production), reports a slight decrease in production, while shipments and new business fell off more noticeably, with five fewer mills reporting.

The Northern Pine Manufacturers Association of Minneapolis reports a heavy decrease in production and small decreases in shipments and new business.

International Paper Company Buys Big Louisiana Mill.

A. R. Graustein, president of the International Paper Co. of New York, wires the MANUFACTURERS RECORD that his company expects to take over the Bastrop Pulp & Paper Co. of Bastrop, La., as of July 15 and continue the entire operating organization as at present. It is the purpose of the International Company to purchase all the outstanding stock of the Bastrop Company and probably continue it as a separate corporation. It is planned to increase the capacity of the mill.

Alabama Mill Manufacturers Organize.

Birmingham, Ala.—At a recent meeting here of lumber manufacturers the Alabama Mill Manufacturers Association was organized with the following officers: Basil E. Kinney, Fayette, president, and W. M. Nichols, Birmingham, secretary-treasurer. The association plans to hold monthly meetings, alternating among different plants in order to enable members to study methods and practices at the various mills.

The second meeting of the Mississippi-East Louisiana Sawmill Managers Association was held at Laurel, Miss., on June 23. John M. Bissell of Laurel is president.

LUMBER MOVEMENT FOR TWENTY-SEVEN WEEKS, AND FOR WEEK ENDING JULY 4.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total.....	2,097,129,077	2,072,538,700	2,039,001,197	2,046,390,668	2,014,380,942	1,955,143,425
Week (126 mills).....	64,408,509	57,922,198	67,363,352	61,633,971	63,452,200	61,655,394
West Coast Lumbermen's Ass'n:						
Total.....	2,696,901,972	2,565,603,357	2,820,398,387	2,678,964,332	2,775,098,331	2,467,195,613
Week (112 mills).....	73,966,348	47,527,818	98,025,589	69,772,946	101,322,375	63,127,139
Western Pine Manufacturers' Ass'n:						
Total.....	819,180,000	847,931,000	806,416,000	794,453,000	794,493,000	776,753,000
Week (31 mills).....	28,469,000	19,927,000	23,438,000	13,938,000	26,974,000	20,575,000
California Redwood Association:						
Total.....	205,607,000	236,688,000	188,089,000	192,185,000	189,021,000	185,554,000
Week (14 mills).....	5,291,000	2,876,000	5,366,000	5,277,000	3,150,000	2,799,000
North Carolina Pine Association:						
Total.....	229,023,122	208,304,330	222,735,071	210,030,874	175,007,762	176,431,855
Week (48 mills).....	6,550,357	4,006,121	6,320,699	5,409,798	6,945,000	4,882,000
Northern Hemlock and Hardwood:						
(Softwood) total.....	73,086,000	66,370,000	67,797,000	62,822,000	54,030,000	49,864,000
Week (11 mills).....	1,094,000	1,593,000	733,000	1,316,000	921,000	867,000
Northern Pine Manufacturers' Ass'n:						
Total.....	253,457,000	234,551,400	226,627,600	219,671,400	207,267,000	227,600,000
Week (10 mills).....	9,829,300	5,263,400	8,196,100	6,087,100	6,369,000	6,508,000
General total for 27 weeks.....	6,374,384,171	6,231,986,787	6,371,064,255	6,204,517,275	6,209,298,035	5,838,541,893
Northern Hemlock and Hardwood:						
(Hardwood) 27 weeks.....	153,066,000	125,713,000	85,311,000	83,602,000	74,248,000	75,012,000
California White and Sugar Pine:						
Total.....	\$446,264,000*	412,576,000	500,284,000	341,257,000	449,361,000	389,779,000
Week (9 mills).....	9,139,000	8,529,000	6,374,000	7,160,000	4,978,000	9,352,000
General total for week.....	191,722,514	140,606,537	210,849,740	164,672,815	210,397,575	160,958,533

*Revised figures not included in general totals. Represents about 75 per cent total production California pine region.

GOOD ROADS AND STREETS

Higher Educational Standards Possible Through Use of Motorbuses.

Adequate transportation has been a major factor in the movement for consolidated schools throughout the South. It has permitted the erection of better buildings, the employment of skilled instructors for the different grades and the establishment of a greater diversity of courses than could be offered in the one-teacher schoolhouses of some years back.

In Jefferson and Montgomery counties, Alabama, buses have played an important part in providing better educational facilities. In Jefferson 25 White buses daily transport 1300



JEFFERSON COUNTY SCHOOL DISTRICT USES 32 WHITE BUSES.

children to and from six schools, reaching homes as far distant as 15 miles. In Montgomery county six buses are used for the same purpose.

The bus has been found to be not only a contributor to the achievement of higher educational standards but also a means of fostering a better community spirit.

"Attendance has been increased at our schools and tardiness lessened," states R. G. Hewitt, chief clerk of the Jefferson County Board of Education. "By operating our own buses we are able to offer our pupils better accommodations and more uniform service than would be possible under the contract system of transportation. Each bus has a regular route, with designated points for picking up the children in the morning and discharging them in the afternoon."

"A bigger and a brighter world opens up to all the rural people in reach of school transportation," states T. L. Head, assistant superintendent of education in Montgomery county. "It is not at all infrequent for one child to be a schoolmate of another child living 25 miles away. Every day fathers and mothers in all parts of a district arise with one common purpose—to get their children ready for the bus. These buses have helped combat the isolation of farm people, one of the elements which has threatened to destroy rural life."

Four Projects in Louisiana.

Baton Rouge, La.—Lowest estimates submitted to the Louisiana Highway Commission for the construction of four road projects aggregating 20.4 miles total upward of \$166,000, according to a tabulation of bids in the office of the commission here. Clark & Junkin of Thomastown, La., submitted lowest bid at \$84,238 for 7.75 miles in Union parish; Phares, Whetstone & Russelle, Centerville, Miss., at \$32,221 for 6.49

miles in East Feliciana parish; Highways Construction Co., New Orleans, at \$32,526 for 4.16 miles in Orleans and Jefferson parishes, and J. H. Reeves, Peason, La., at \$16,926 for 2 miles of the Many-Zwolle highway.

Bids on Four Roads Total \$204,000—Overhead Bridge Planned.

Richmond, Va.—According to a tabulation of bids by the State Highway Department here, lowest bids submitted for the construction of four road projects total more than \$204,000. For building 1.9 miles of concrete in Dinwiddie county, the Southern Construction Co. of Petersburg submitted low bid at \$45,854, while W. H. Meadows of Coeburn presented low bid at \$65,584 for 1.674 miles of concrete in Wise county. Jenkins Construction Co., Norton, submitted bid at \$43,525 for .857 mile of concrete at Coeburn, while the lowest bid for grading and draining 2.85 miles in Giles county was \$49,553.

It is announced that the State Highway Department will soon receive bids for the construction of an overhead bridge above the Norfolk & Western Railroad tracks near Boones Mill in Franklin county. With approaches, the structure will be about one-half mile long.

Sells \$677,000 of Bonds for Roads.

Fairmont, W. Va.—Three district bond issues of Marion county, amounting to \$677,000, have been sold by the State Sinking Fund Commission, Charleston, at a premium in excess of \$39,000. Proceeds from the sale will be used for the construction of roads. An issue of \$301,000 for Mannington district, was sold to the Provident Savings & Trust Co. of Cincinnati at a premium of \$17,377; an issue of \$201,000 for Lincoln district, to Weil, Roth & Irving Co., Cincinnati, at a premium of \$12,800, and an issue of \$175,000 of Paw Paw district to A. P. Bell & Co., Toledo, at a premium of \$9328.

Viaduct Contract at \$271,000.

Tampa, Fla.—Contract has been awarded by the City Commission to the Roberts Supply Co., Lima, Ohio, at approximately \$271,000 for the construction of the Lafayette street viaduct over the tracks of the Seaboard Air Line Railroad. The viaduct complete is expected to cost \$400,000, of which the Seaboard Air Line will pay half. The city's share of the cost has been provided by two bond issues aggregating \$200,000.

\$450,000 of Paving Contracts.

Tampa, Fla.—Contracts aggregating \$450,000 have been awarded by Hillsborough County Commission for paving in two subdivisions, affecting 59 streets. George E. Wycoff & Co., Little Rock, Ark., were awarded contract, at approximately \$300,000, paving 47 streets in Bel-Mar subdivision, and the Highway Engineering & Construction Co., at approximately \$150,000, for paving 12 streets in the Interbay section. A. B. Pimm is county engineer.

First Unit of West Virginia Road.

Pineville, W. Va.—Wyoming County Commissioners will award contract on August 3 for building the first unit of a proposed road beginning at the Slab Fork district line and extending up Laurel Fork to the Raleigh county line. This unit will be known as Wyoming county project No. 252 and will cost about \$80,000.

May Build \$4,000,000 Bridge Over Old Tampa Bay—Plan Hotel Also.

Tampa, Fla.—Application has been made by Tampa and other interests for a charter for a new company planning a large development here and involving the construction of a bridge over Old Tampa Bay to cost about \$4,000,000. It is stated that J. B. Durrance of West Palm Beach will be president of the company and that W. E. Himes and H. Lane Coachman, both of this city, will be directors. Tentative plans call for the construction of a bridge from the west end of Grand Central avenue, Tampa, to the east coast of Pinellas county between Bayview and Dellwood, a distance of about 10 miles.

It is also planned to erect a large hotel at the western terminus of the bridge.

Florida Building 475 Miles—Roads and Bridges to Cost \$10,787,406.

Tallahassee, Fla.—According to the report of Chairman H. B. Phillips of the State Road Department at the third regular quarterly meeting here of members of the department, the state has under contract and under construction 475 miles of highway and 15,153 feet of bridge construction to cost in the aggregate \$10,787,406. The total cost of road work is estimated at \$8,067,708, of which \$3,864,281 had been expended up to June 1, leaving a balance of \$4,203,427 to complete the work.

It is estimated that bridge construction will cost \$2,719,698, of which \$904,029 had been expended up to June 1, leaving a balance of \$1,815,669 to complete the work.

Florida Contracts Total \$659,000.

Tallahassee, Fla.—Eleven contracts have been awarded by the State Road Department, covering approximately 86 miles of roads embraced in ten projects, together with a bridge project, the aggregate cost of which will exceed \$659,000. Construction will include 23.06 miles of grading to cost \$81,399; 36.32 miles of clearing, grubbing and grading, \$150,819; 29.66 miles of rock base, \$261,882; 3.5 miles of sheet asphalt, \$150,313, and one bridge to cost \$14,700.

Notes on Good Roads Construction.

Hernando county, Florida, plans to vote on a \$1,000,000 bond issue to build 75 miles of roads.

Manatee County Commissioners, Bradenton, Fla., have sold a \$100,000 bond issue for roads and bridges to the Florida National Bank of Jacksonville at a premium of \$3150.

Bids will be received by the State Highway Board, Jefferson City, Mo., until July 24 for the construction of 46 road and 26 bridge projects in various parts of the state. Road work will cover a total of more than 150 miles, classified as follows: Graded earth, 50.312 miles; earth work, 31.136 miles; concrete surfacing, 31.136 miles; gravel surfacing, 37.848 miles, and rock asphalt surfacing on a sledge stone base, 3.339 miles. The major portion of the proposed bridges will be of reinforced concrete and steel construction.

Sealed proposals will be received by the State Road Department, Tallahassee, Fla., until July 21 for the construction of three road projects as follows: Project No. 613, covering the construction of a lime-rock base on a prepared sub-grade on approximately 4.62 miles of road in Manatee county; project No. 586, for clearing, grubbing and grading about 8 miles of road in Washington and Jackson counties, and for project No. 37-B, covering the construction of a steel deck-girder underpass on concrete abutments in Alachua county.

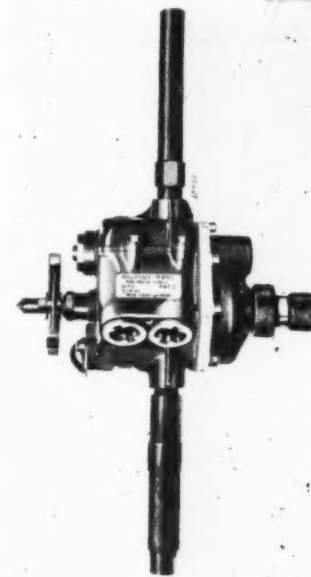
MECHANICAL

Improved Pneumatic Drills.

A new line of four-cylinder pneumatic drills, including both reversible and non-reversible sizes, has been placed on the market. The picture herewith shows the type. These new machines contain many advanced features which all tend to

give greater reliability, more efficient operation and reduced drill maintenance costs, says the manufacturer, the Ingersoll-Rand Company, 11 Broadway, New York. They are, it is further stated, the only drills equipped with speed governors which automatically prevent racing the drills beyond a safe working speed; the governor saves on air consumption and prevents wear and tear on the drill parts. In tapping and reaming it avoids burning of taps and reamers.

This new design has been developed to overcome every trouble formerly experienced by



NEW FOUR-CYLINDER DRILL.

users of pneumatic drills, and it is claimed that the air saved in about a year will pay for the cost of the drill. Parts may be renewed at small expense. The cylinder liners are of special steel fitted into the steel casing and are easily removable for renewal, so that the cost of renewing a worn cylinder is small; the cylinder case itself never wears. Besides, a space between the case and the liner prevents denting a cylinder and causing a piston to stick. The liners are held in place by the cylinder heads, which screw into them and shoulder against the case.

Crank pins are fitted with a sleeve held stationary on each crank pin, so that all wear occurs on the sleeve instead of on the crank-pin; lubrication of the crank-pins is from the inside as well as from the outside. The main valve is of large diameter, with long bearing surfaces, and the gearing is of helical type, giving stronger construction and smoother operation. Connecting rods are of one-piece drop forgings.

\$200,000 Creosoting Plant for Spartanburg.

Spartanburg, S. C.—According to a recent announcement, the Taylor-Colquitt Company of Easley, S. C., will build a \$200,000 creosoting plant just beyond the city limits of Spartanburg on a tract of 77 acres of land. The plant will consist of steel and concrete buildings, two steel retorts 140 feet long and 8 feet in diameter, large tanks for storage of creosote, vacuum and compression pumps with motor drives, locomotive cranes and cars for handling materials, spur tracks and five miles of railroad track.

It is the purpose of the company to ship crossties to the new plant for air-drying as soon as spurs are installed. It will have a capacity for treating 1,500,000 ties annually, in addition to a large quantity of bridge timber, piling and lumber. Additions to be built later will probably double the plant output. There will be storage for 3,000,000 crossties.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Airplane Plants, Stations, Etc.

Ala., Anniston—Anniston Aero Co., incorporated; L. B. Edwards, R. B. Holtman, Jr.

Fla., Tampa—Florida Aerial Transportation Co., organized by Geo. R. Thompson and associates; reported, establish express airplane service connecting Tampa, Jacksonville and Miami, carrying both mail and passengers.

Ga., Columbus—City has land for municipal aviation field; will erect necessary structures for standard landing field; plans not complete; Walter A. Richards, City Mgr.*

Bridges, Culverts and Viaducts

Alabama—State Highway Dept., Montgomery, let contract for several bridges. See Road and Street Construction.

Ala., Albany—Decatur-State Highway Dept., Montgomery, let contract to Koss Construction Co., Des Moines, Iowa, at \$343,100, for concrete bridge over Tennessee River.*

Arkansas—See Road and Street Construction.

Ark., Van Buren—W. V. Boatwright, 922 Clay St., Van Buren, received contract for 25 concrete culverts on Van Buren-Alma Highway; B. Kendricks, supervise construction.

Fla., Clearwater—Pinellas County Commrs. let contract to Luton Bridge Co., Indianapolis, at \$355,250 for causeway across Clearwater Harbor from Clearwater to Clearwater Beach.*

Florida—See Road and Street Construction.

Fla., Sarasota—City, J. R. Brumby, Jr., Commr. of Public Works, let contract to William Allen, at \$32,640, for bridge over Hudson Bayou on Orange Ave., between Sarasota and Sarasota Heights.*

La., Simmesport—Louisiana Railway & Navigation Co., Commerce St., Shreveport, plans \$2,000,000 railway bridge across Atchafalaya River, at Simmesport.

Fla., Tampa—J. R. Durrance, West Palm Beach; H. E. Himes, Tampa, interested in establishing bridge company for \$4,000,000 to \$5,000,000 toll bridge across Old Tampa Bay, from Grand Central Ave. to Pinellas County, between Bayview and Dellwood.

Fla., Tampa—City Comm., W. Leslie Brown, City Mgr., let contract to Roberts Supply Co., Lima, Ohio, at \$270,966 for Lafayette St. viaduct, over Seaboard Air Line tracks.*

Fla., Tampa—City plans steel and concrete bridge at Michigan Ave., across Hillsborough River; estimated cost \$300,000; Wm. E. Duncan, Clk., 2005 Central Ave.

La., Mansfield—De Soto Parish Police Jury let contract to M. H. Silver for 2 creosoted timber bridges over Bayou Pierre, between De Soto and Red River Parishes.

Md., Cumberland—City Clk. receives bids July 20 to improve Inter-State Highway Bridge between City of Cumberland, Md. and Ridgeley, W. Va.; plans from B. E. Gray, Div. Engr., State Roads, Keyser, W. Va., D. P. LeFevre, Roads Engr., Allegany County, Cumberland, Md., and R. L. Riser, City Engr.

Miss., Philadelphia—See Road and Street Construction.

Missouri—State Highway Dept., Jefferson City, receives bids July 24 for 26 bridges: Adair County, from Kirksville to Macon; over streams, four 10-ft. reinforced concrete slab spans; two 12-ft. reinforced concrete slab spans; Audrain County, over Long Branch, on road from Paris to Mexico, three 45-ft. reinforced concrete deck girder spans; Boone County, from Columbia to Jefferson City; over

stream, 40-ft. reinforced concrete deck girder span; over Turkey Creek, 40-ft. reinforced concrete deck girder span; over South Fork of Bonne Femme, three 24-ft. reinforced concrete slab spans; over Groundstone Creek, three 30-ft. reinforced concrete deck girder spans; over Bonne Femme Creek, 40-ft. reinforced concrete deck girder span.

In Dunklin County, over Varney River Drainage Ditch, on road from Ipley east and west, 30-ft. reinforced concrete deck girder span; Franklin County, on road from St. Louis to Springfield, two 12-ft. reinforced concrete slab spans; Henry County, from Clinton to Calhoun; over Libo Creek, one 40-ft. and two 25-ft. reinforced concrete deck girder spans; over Little Tebo Creek, one 45-ft. and two 25-ft. reinforced concrete deck girder spans; over Sand Creek, 70-ft. steel truss span; over stream, two 20-ft. reinforced concrete slab spans; over stream, two 12-ft. reinforced concrete slab spans; over Sand Creek Overflow, seven 20-ft. reinforced concrete slab spans; over stream, four 12-ft. reinforced concrete slab spans.

In Monroe County, from Paris to Mexico, over Elk Fork of salt river, two 80-ft. steel truss spans; over streams, four 12-ft. reinforced concrete slab spans; Nodaway County, from Maysville north and south, over Canal Creek, 40-ft. reinforced concrete deck girder span; Oregon County, from Alton east and west; over Cox Branch, three 20-ft. reinforced concrete slab spans; over creek, five 18-ft. reinforced concrete slab spans; Ralls County, over Jug River, on road from New London to Perry, two 12-ft. reinforced concrete slab spans; Shannon County, reflow 200-ft. steel bridge over Jacks Fork of Gasconade River on road Salem to Eminence; Warren County, repair and reflow 170-ft. steel bridge on road, Warrenton north; B. H. Piepmeyer, State Highway Engr.

Mo., Springfield—Greene County plans bridge over Sac River. Address County Commrs.

N. C., Beaufort—State Highway Comm., Raleigh, plans building 2 draw bridges, over Gallants Channel on Beaufort side, and over Newport River on Morehead side, each 350 ft. long; also causeway connecting Beaufort and Morehead City; cost about \$1,000,000; Chas. H. Upham, State Highway Engr.

N. C., Durham—Durham County plans rebuilding bridge over Flat River on Bahama road; estimated cost \$60,000. Address County Commrs.

South Carolina—State Highway Comm., Columbia, will build 3 bridges and approaches. See Road and Street Construction.

S. C., Spartanburg—Spartanburg County Commrs. let contract to John Switzer to reconstruct span across S. Tyger River, 1 mi. south of Duncan, on Duncan to Reidsville road; Capt. H. B. Humbert, County Highway Engr.

Tenn., Knoxville—City, Louis Brownlow, City Mgr., plans receiving bids about Aug. 15 for Broadway viaduct.*

Tex., Austin—City receives bids July 31 for bridge across Barton Creek. Address City Clk.

Tex., San Angelo—City, E. V. Spence, Mgr., will receive bids soon for steel, concrete and wood bridge over North Concho River on Abe St.; \$40,000 available.

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids July 20 to reconstruct Buena Vista St. bridge across Alazan Creek on W. Houston St., reinforced concrete and timber; estimated cost \$15,000; Fred Fries, City Clk.

Tex., San Antonio—City, Fred Fries, Clk., receives bids July 27 for bridge across San Antonio River at Lambert's Beach in Brack-

enridge Park, concrete and steel; John W. Tobin, Mayor.

Tex., San Antonio—Public Service Comm., plans bridge across San Pedro Creek, steel and concrete, estimated cost \$30,000; work done by day labor; John W. Tobin, Mayor.

Tex., Sweetwater—See Road and Street Construction.

Virginia—State Highway Comm., Richmond, will build 2 bridges. See Road and Street Construction.

Va., Boone Mill—State Highway Comm., Richmond, plans receiving bids for overhead bridge over Norfolk & Western R. R., at Boone Mills, Franklin County, Route 33.

W. Va., Charleston—City, W. W. Wertz, Mayor, will receive bids for bridge at Spring St. over Elk River; plans from City Engr., and State Road Comm.; votes Aug. 11 on \$145,000 bonds.

W. Va., Glenville—See Road and Street Construction.

W. Va., Huntington—Cabell County Commrs. R. S. Douthat, Clk. County Court, receives bids Aug. 5 for substructure of bridge across Guayandotte River to Roach, 6125 lbs. reinforcing steel; plans from J. M. Oliver, County Engr.

W. Va., Pineville—Wyoming County plans building 2 bridges. See Road and Street Construction.

Coal Mines and Coke Ovens

S. C., Fountain Inn—Palmetto Coal & Lime Co., capital \$60,000, incorporated; T. D. Wood, Pres.; C. G. Guinard, Sec.

W. Va., Besoco—Lecony Smokeless Coal Co., reorganized; H. E. Moran, Pres., 32 Broadway, New York; P. A. Grady, V.-P. and Gen. Mgr., Besoco; changed name from Beckley Pochontas Coal Co.

W. Va., St. Albans—J. O. Bledsoe, reported, interested in consolidation of coal mines in W. Virginia and Kentucky, including the United States Coal Co.

Concrete and Cement Plants

Ark., Fayetteville—Fayetteville Cast Stone Works, 14 E. Lafayette St., has completed plant, 15x30-ft. and 10x15-ft., corrugated steel, wood blocks, corrugated steel roof; install concrete press, daily output 200 to 800 concrete blocks, equipment furnished by Concrete Machinery Co., Elmore, Ohio.*

Mo., Kansas City—Missouri Portland Cement Co., 1208 Federal Reserve Bldg., acquired 160 acres land near its Sugar Creek plant.*

Cotton Compress and Gins

Ala., Montgomery—Gulf Cotton Gin Co., capital \$75,000, incorporated; A. W. Loeb, Louis A. Weil.

Ark., Griffithville—See Ark., Searcy.

Ark., Searcy—James P. Watkins and S. K. Davis will erect cotton compress at Searcy and Griffithville; sheet iron construction; 26 x77 and 24x54 ft.; concrete and wood floors; metal roof; building by day labor; will install four 80-saw gins and 100 H. P. oil engine for power at Searcy; install two 80-saw gins at Griffithville, steam power; Continental Gin Co., Birmingham, Ala., Constr. Engr.*

Ga., Macon—Central Oil Co., capital \$25,000, incorporated; E. D. Black, Buford Place.

Ky., Murray—John T. Currier, N. Market St., Paris, Tenn., is erecting cotton gin.

Miss., Heidelberg—P. C. Morrison will erect cotton gin.

Okl., Okmulgee—Scott Lockhart Gin Co., capital \$10,000, incorporated; H. Rudisill, 1102 N. Denver St., Tulsa.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

S. C., Walterboro—H. B. Thompson & Sons will erect ginnery; install 73 saw gins, suction system and steam plant.

Tenn., Bells—W. W. Evans, Pres. of Bells Banking Co. interested in erection of cotton gin.

Tenn., Paris—John T. Currier Cotton Co., N. Market St., will erect cotton gin; install 3 stand 80 saw Continental gin with capacity 36 bales daily.

Tex., Houston—Houston Compress Co., increased capital, \$2,000,000 to \$3,000,000.

Tex., Sweetwater—Planters Gin Co., capital \$100,000, incorporated; R. K. Wooten, J. W. Simmons.

Tex., Wilmer—South Gin Co., capital \$15,000, incorporated; K. L. White, J. T. South.

Drainage, Dredging and Irrigation

Miss., Marks—Oxbow Drainage Dist., Mark N. Ham, Pres., receives bids July 28 for drainage work in Quitman County; Southern Engineering Co., Engr., Clarksdale. (See Machinery Wanted—Drainage.)

Miss., Pascagoula—Arthur Allen interested in drainage of harbor for small boats and land reclamation for residence and landscape gardens located principally in corporate limits of city of Pascagoula; estimated cost \$75,000; will use 1½-yd. bucket outfit, 50 to 60-ft. boom, Diesel, steam or gasoline driven, floating type equipment. (See Machinery Wanted—Bucket Dredge Equipment.)

Miss., Senatobia—Tate County Supvrs. let contract to G. N. Scott for levee on road east of Coldwater.

Tex., Brownsville—Cameron County, Oscar C. Dancy, Judge, votes Aug. 21 on \$1,500,000 bonds for flood prevention control.*

Tex., Cotulla—Cotulla Drainage Dist. Supvrs. have surveys by Nagle, Witt, Rollins Engineering Co., Engrs., 1304 Sante Fe Bldg., Dallas, for irrigation work; will probably vote in August on \$5,000,000 bonds.*

Electric Light and Power

Ala., Luverne—Town has contracted with River Falls Power Co., River Falls, for 30 years for power for utilities and industries; company will construct 44 kv. line from Brantley to Luverne, distance of 12 miles; will install equipment; Southern Engineering Corp., Engrs., Albany, Ga. (See Machinery Wanted—Transformers; Line Material Equipment; Sub-Station Equipment.)

Ala., Moulton—City granted franchise to Alabama Power Co., Brown-Marx Bldg., Birmingham.

Ala., Opelika—See Land Development.

Ala., River Falls—River Falls Power Co. is having surveys and plans prepared for O'Neal plant on 7500 h.p. on Patsilaga River near Gantt, effective head 50 ft., area lake, 10,000 acres; this development will increase primary capacity of present plants 300 per cent; will call for bids later; Southern Engineering Corp., Engrs., Albany, Ga.*

Ark., Blytheville—Arkansas Public Service Co. incorporated; Charles H. Rowland, L. A. Mitchell.

D. C., Washington—Potomac Electric Power Co., Wm. F. Ham, Pres., reported to issue \$20,000,000 stock to finance future improvements and additions.

Fla., Arcadia—DeSoto Commrs. granted 30 yr. franchise to Southern Utilities Co., Palatka.

Fla., Avon Park—See Land Development.

Fla., Bartow—See Land Development.

Fla., Clearwater—See Land Development.

Fla., Key West—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Lake Worth—City let contract to McIntosh & Seymour Corp., Auburn, N. Y. for electric light plant equipment.

Fla., Miami—See Land Development.

Fla., Ocoee—See Land Development.

Fla., Orlando—See Land Development.

Fla., Pensacola—See Land Development.

Fla., Sarasota—McIntosh & Seymour Corp., Auburn, New York, has contract at \$157,000 for electric light equipment.

Fla., Sebring—Lakeview Place Corp., G. L. Nelson, will install white way, cost \$22,000; Mitchell Electric Co., Contrs.*

Fla., Sebring—See Land Development.

Fla., Tampa—Tampa Electric Co., Tampa and Cass Sts., was granted franchise to all parts of Hillsborough County.

Fla., Zephyrills—City votes in July on

bonds for white way system. Address The Mayor.

Ga., Atlanta—Georgia Southern Power Co., F. R. Willet, Pres., Washington, D. C.; M. X. Wilmending, Sec.; operate in central and southern Georgia.

Ga., Cordele—Crisp County will construct 14,000 h. p. hydro electric plant on Flint River at Warwick; 30 ft. head, lake area 8000 acres; ultimate number of units four, initial 2; h. p. of 3500 units each; vertical single runner; bids later; Southern Engineering Corp., Engrs., Albany.

Ga., Sparta—Interstate Utilities Co., Munsey Bldg., Washington, D. C., will probably acquire local light plant.

La., New Orleans—Public Service, Inc., contemplates expending about \$6,641,203 for improvements and extension to local utilities during 1925, including, funds for completion of extensions at Market St. power plant; \$225,000 for substation reconstruction; overhead distribution for alternating current, \$400,000, underground, \$620,000; purchase of motors and transformers and making line extension, \$552,000; \$131,000 for gas plant equipment, \$135,000 for reinforcement of distribution system; \$200,000 for mains and meters.

La., Port Allen—Baton Rouge Electric Co., 329 Florida St., Baton Rouge, has electric light franchise.

Md., Baltimore—Perry Power & Ice Co., 1310 Standard Oil Bldg., incorporated; Herman A. Lang, Joseph A. Slattery.

Md., Baltimore—City, Charles F. Goob, Ch. Engr., Electrical Comsn., will install white way on Charles St. from Mt. Royal Ave. to Read St.

Miss., Hazlehurst—City will probably construct plant, install oil burning engines. Address The Mayor.

Mo., Mokane—See Road and Street Construction.

N. C., Asheville—See Land Development.

N. C., Elizabethtown—Tide Water Power Co., 4225 Fifth St., Wilmington, contemplates extending power line to Elizabethtown.

N. C., West End—Carolina Power & Light Co., W. Jones St., A. W. Thompson, Ch. Engr., Raleigh, receives bids July 20, for construction of brick substation.

Oklahoma—Middle West Utilities Co., 72 W. Adams St., Chicago, Ill., reported acquired stock of Central Power and Light Co., Chemical Bldg., St. Louis, Mo., subsidiaries of which operate in Texas, Oklahoma, Mississippi, Mexico and Kansas.

S. C., Charleston—Charleston Consolidated Railway and Lighting Co., 141 Meeting St., applied for permission to lay submarine cable in Ashley River and Wappoo Cut.

Tex., Edna—Edna Electric and Ice Co. (Owned by Texas Central Power Co.), will construct line from El Camp to Edna.

Tex., Houston—See Land Development.

Tex., San Benito—Valley Electric Co. will increase capacity of plant.

Va., Amhurst—Lynchburg Traction & Light Co., 523 Main St., Lynchburg, will construct line from Lynchburg to Amherst.

Fertilizer Plants

Va., Alexandria—Bryan Fertilizer Co., Arthur H. Bryant, will rebuild plant burned at loss of \$150,000; David Bayless, Contr.

Flour, Feed and Meal Mills

Tex., Dallas—Burrus Grain Co. incorporated; J. Perry Burrus, Interurban Bldg.

Tex., Sudan—Sudan Grain and Elevator Co., capital \$12,000, incorporated; P. E. Boesen, S. N. Day.

Foundry and Machine Plants

Mo., Kansas City—Implements—Lord & Burnham Co., incorporated; E. P. Bowden, M. C. Wright, 1401 W. 39th St.

Okla., Tulsa—Oil Field Equipment—Blackgold Machine & Manufacturing Co., R. E. D. Foster, Box 824, will erect \$16,000 plant buildings, one 50x100 ft., one 50x150 ft. and one 40x60 ft., steel, brick base, concrete floors, sheet iron roof; install \$50,000 equipment, including lathes, drills, shapers, planers and shop equipment; bids until July 20; J. M. Loyd, Constr. Engr., Box 824.* (See Machinery Wanted—Machine Shop Equipment.)

Tex., Canyon—M. S. Fisher and associates, have established plant to manufacture piston rings to be known as Basco Oil ring.

Gas and Oil Enterprises

D. C., Washington—Hugh M. Frampton and associates petitioned Public Utilities Comsn. for extension of gas mains to Potomac Heights.

Fla., Key West—See Land Development.

Fla., Sarasota—Major A. White Co. applied to city for 3-year gas franchise.

Fla., St. Petersburg—See Water Works.

Mo., Kansas City—Bradford Oil Co., capital \$20,000, incorporated; Robert L. Bradford, 53rd and Woodland Sts.

Okla., Poteau—John S. Pfalzgraf, 310 College St., will expend \$300,000 for gas line, lately noted applying for gas franchise. (See Machinery Wanted—Oil Well Equipment; Oil Well Drilling.)

Okla., Tulsa—Delaware Consolidated Oil Co., capital \$2,000,000, incorporated; I. L. Dunn, Oil Prod. Kennedy Bldg.

Okla., Tulsa—Commercial Drilling Co., 17 E. Eighth St., increased capital, \$25,000 to \$75,000.

Okla., Wetumka—Farmac-Yarnall Oil Corp., capital \$50,000, incorporated; S. A. Yarnall, E. P. Hawkins.

S. C., Spartanburg—Texas Oil Co. will erect \$15,000 plant on Union St.

Tenn., Chattanooga—Southeastern Oil Co., Mark Senter, Pres., will rebuild oil plant burned at loss of \$100,000.

Tex., Brownwood—Heyburn Oil Co., capital \$45,000, incorporated; George C. Hepburn, I. J. Rice.

Tex., Fort Worth—Seaport Oil and Gas Co., capital \$30,000, incorporated; Wade H. James, 1108 Bessie St.; O. F. Kelsey.

Tex., Houston—Lake Shore Oil Co., capital \$25,000, incorporated; J. E. Price, Richmond and Bute Sts.

Tex., Mexia—Midway Petroleum Co., capital \$20,000, incorporated; R. L. Wheelock, J. L. Collins.

Tex., Pampa—Last Chance Gas Co., capital \$24,000, incorporated; J. N. Duncan, W. R. Campbell.

Va., Norfolk—Cradock-Norfolk County Chamber of Commerce, O. P. Koch, Pres., reported interested in gas extension.

W. Va., Clarksburg—Vesper Oil and Gas Co., office Union Bank Bldg., increased capital, \$300,000 to \$1,000,000.

W. Va., Charleston—Anchor Oil Co., capital \$25,000, incorporated; George H. Ewald, 1605 Franklin Ave.

W. Va., Charleston—New Cumberland Gas Co. increased capital, \$25,000 to \$150,000.

W. Va., Sistersville—Carter Oil Co. and Hope Refining and Producing Co. reported to have merged.

Ice and Cold-Storage Plants

Fla., Sebring—Sebring Ice Co. will expend \$30,000 on improvements, enlarging plant; increased capital to \$50,000; plant lately acquired by Ed. Bebee, of Daytona.

N. C., Durham—City contemplates building municipal ice plant; Y. E. Smith, Chrmn. Special Committee, E. Dinham St.

Tex., Temple—Temple Ice & Refrigerating Co., J. C. Mitchell, Mgr., Central Ave., cor. Ninth St., let contract to Love Construction Co., Temple, at \$25,000, for new plant; concrete, 135,000 cu. ft.; will install complete electrically-driven ice-making plant with ice storage for car icing; daily output 40 tons; equipment furnished by Arctic Ice Machine Co., Canton, Ohio; Ideal Electric & Manufacturing Co., Mansfield, Ohio; Ophuls & Hill, Inc., Archt., 112 W. Forty-second St., New York City.*

W. Va., Dunbar—J. A. Shaver, Pres. Dunbar Supply Co. interested in construction of ice and storage plant.

Land Development

Ala., Albany—Bay Realty Co., capital \$10,000, incorporated; S. M. Thompson, J. L. Gunter.

Ala., Birmingham—R. S. Marshall, Supt. of Parks, 42 W. Tenth St., contemplates construction of 9 hole golf course.

Ala., Dothan—Houston Pecan Co., incorporated; F. L. Lee, C. M. Lee.

Ala., Opelika—Opelika Development Co., J. N. Pitts, Sec., will expend \$500,000 for development of subdivisions; install water, sewers, streets, golf course, erect clubhouse.

Ark., Little Rock—Echo Valley Country Club, John C. Akin, Pres., 1905 Battery St., will develop golf course.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Arcadia—Arcadia Co-operative Building & Investment Co., capital \$100,000, incorporated; B. F. Welles, Rupert Smith.

Fla., Avon Park—Calvin F. Thomas, Geo. E. Wilcox, W. T. Apts., Louisville, Ky., are having plans prepared for development of Sunset Hill and Lotela Park subdivision; will install water, sewers, streets, sidewalks.*

Fla., Bartow—A. T. Hackl, 175 Central Ave., will develop 125 acres of land for subdivision; dredge lake of about 5 acres to depth of 4 to 6 ft. (See Machinery Wanted—Excavating and Grading Equipment; Tractors; Wagons (Dump); Dredging Equipment.)

Fla., Bartow—Oak City Investment Co., R. C. Hatton, Pres., will develop subdivision; install water, sewers, electric lights.

Fla., Bartow—G. W. Bassett, R. F. Urle will develop 92 acres on Polk Lake for subdivision; install water, sewers, electric lights, roads and streets.

Fla., Boca Raton—R. F. Lawrence, Gen. Supt. of Toomey & Flynn, Contracting Engrs., Phila., Pa., will build golf course.

Fla., Bradenton—Arthur H. Swartz and Ezra H. Jones, Detroit, Mich., acquired 5000 acres of land in Manatee County; will develop.

Fla., Clearwater—W. B. Knapp and R. J. Knight are developing Del Oro Groves subdivision; construct roads, install water, sewers, electric lights; J. B. Ryer, Landscape Archt.

Fla., Cocoa—Cocoa-Rockledge Land Co. incorporated; Harry Bourinot, M. Herbert Beary.

Fla., DeLand—J. C. Sowell acquired 120 acres of land and will develop subdivision; install roads and streets, sewer, water.

Fla., Eau Gallie—Eau Gallie Shores Co., capital \$20,000, incorporated; W. J. Creel, G. E. Spires.

Fla., Eustis—Elson Land Co., capital \$25,000, incorporated; O. D. Elson, G. O. Elson.

Fla., Gainesville—Lakewood Estates, Fred F. Sumner, 218 Hall Bldg., St. Petersburg, Pres., will develop 3500 acres of land on Lake Berman for subdivisions; construct streets and boulevard.

Fla., Homosassa—Florida West Coast Development Co., Inc., Suite 861, S. Michigan Ave., Chicago, Ill., T. F. Ragsdale, Pres., Inverness; W. L. Kellogg, Sec., Chicago, Ill.; H. S. Hoover, Treas., 3650 Sheridan St., Chicago, Ill., have acquired 1,156,000 acres of land in Hernando, Citrus, Levy, Dixie Taylor, Jefferson and Wakulla counties; including number of islands, beaches, approximately 122 miles along coast of Mexico and 143 miles on Homosassa, Suwannee and other rivers; will develop subdivision; Harland Bartholomew, City Planner, Compton Bldg., St. Louis, Mo.*

Fla., Jacksonville—Rio Vista Land Co., capital \$150,000, incorporated; J. L. Odom, 145 W. 10th St.

Fla., Jacksonville—Florida Ridge Co., capital \$10,000, incorporated; R. A. Baker, 1250 Oak St.

Fla., Jacksonville—Associated Properties, Inc., capital \$100,000, incorporated; J. C. Lanier, 3610 Pine St.

Fla., Jacksonville—Florida Glen St. Mary Land Co., capital \$25,000, incorporated; A. W. Barrs, 205 W. Ashley St.

Fla., Jacksonville—Jacksonville Beach Corp., capital \$200,000, incorporated; Max Rubin, 1463 Post St.

Fla., Jacksonville—Mutual Realty Investment Co., capital \$10,000, incorporated; J. W. Branan, 316 W. Seventh St.

Fla., Jacksonville—St. Johns Shore Co., incorporated; V. E. Jacobs, 1065 Riverside Ave.

Fla., Jacksonville—R. E. L. Co., capital \$100,000, incorporated; Max Rubin, 1463 Post St.

Fla., Key West—Keys of Florida Realty Co., capital \$1,000,000, incorporated; Walter F. Burns, J. A. Wood.

Fla., Key West—Charles E. Baxter Interests are planning development of subdivision; are receiving bids for extension of water, sewers, gas, electricity; erect Roman pool and bathing pavilion.

Fla., Key West—Burbanks Realty Co., Miami, capital \$100,000, incorporated; Chas. S. Baxter, Pres., will develop 14 acres of land for subdivision; will fill grade in tall white way, water, gas, sewers, underground wiring, pavements; expend \$350,000; South Florida Contracting & Engineering Co., Gen. Contrs.*

Fla., Lakeland—Lakeland-Mather Co., capi-

tal \$40,000, incorporated; H. C. Mather, Cade Long.

Fla., Lakeland—The Gaynor Co., capital \$2,000, incorporated; Harry Zimmerman, E. J. Gaynor.

Fla., Lakeland—Smith-Wright Co., capital \$50,000, incorporated; J. Bunyan Smith, A. E. Carber.

Fla., Lake Wales—G. W. Bassett and associates have acquired 92 acres of land on Polk Lake; will develop subdivision; install water, sewers, electric lights, roads.

Fla., Miami—Haywood Corp., capital \$50,000, incorporated; Frank Smathers, 602 First National Bank Bldg.

Fla., Miami Beach—Syndicate Corp. of America, capital \$1,000,000, chartered; Wm. M. Flinn, Charles D. Thompson.

Fla., Miami—Lewis Corporation, capital \$25,000, incorporated; W. H. Smith, 1744 S. W. Fifth St.

Fla., Miami—Forton Realty Co., capital \$50,000, incorporated; Harry K. Smith, 1418 S. W. Fifth St.

Fla., Miami—S. Ernest Philpitt & Son, capital \$500,000, incorporated; E. Ernest Philpitt, 3228 N. Miami Ave.

Fla., Miami—Flamingo Realty Co., capital \$25,000, incorporated; E. H. Huston, Ruth M. Reynolds.

Fla., Miami—Commercial Properties Co., C. Dan Wallace, Pres., acquired tract of land; will develop subdivision; let contract to W. T. Price for grading, paving streets, installation of white way electric lights.

Fla., Miami—A. Roy Daniels acquired 253 acres of land at Altamonte Springs; will develop.

Fla., Miami—Treasure Land, Inc., capital \$25,000, incorporated; E. H. Huston, Pearl N. Hurt.

Fla., Miami—Brickell Estate Co., capital \$100,000, incorporated; Harry Donnelly, Peter J. Duffey.

Fla., Miami—Earl Anderson Properties, capital \$200,000, incorporated; Edward Anderson, G. A. Anderson.

Fla., Miami—Baird Properties, Inc., capital \$50,000, incorporated; M. W. Hallam, Breakers Hotel.

Fla., Miami—Fort Lauderdale Estates, Inc., capital \$50,000, incorporated; A. Meltin, Lester E. Swartz.

Fla., Miami—New York-Palm Beach Corp., capital \$75,000, incorporated; Isadore Fine, 158 N. E. Tenth St.

Fla., Miami—Meridian Properties, Inc., capital \$25,000, incorporated; Howard T. Justice, Harry V. Lake.

Fla., Miami—Realty Reserves Co., capital \$25,000, incorporated; Ruth M. Reynolds, Pearl Crosby.

Fla., Miami—Gould Realty Co., capital \$25,000, incorporated; I. L. Robinson, Pearl N. Hurt.

Fla., Miami—David Hills Corp., capital \$250,000, incorporated; E. H. Huston, Ruth Reynolds.

Fla., Miami—Everglades Land & Development Co., capital \$25,000, incorporated; George E. Warren, 9-10 Tatum Bldg.

Fla., Miami—Beecher, Gray & Meyers, 277 E. Flagler St., are developing Beecher Estate subdivision; install sidewalks and curbs.

Fla., Miami—Redmon-Simmons Realty Co., incorporated; Berkeley L. Simmons, R. L. Parham.

Fla., Ocoee—Ocoee Realty Co., D. F. Wurst, Sec.-Treas., will develop 30 acres of land for subdivision; install paving, lights, water, sidewalks; expend \$40,000; J. B. McCrary Co., Citizens State Bank Bldg., Atlanta, Ga., Constr. Engrs.; Bartlett & Bartlett, Surveyors.*

Fla., Orlando—Saulando Springs Corp., I. W. Phillips, Sec., 134 Lucerne Circle, will develop 2000 acres of land for residential sites and golf course; install electric lights, build roads.*

Fla., Orlando—Joseph Falk, 15 Cheney Drive, acquired 45 acres of land; develop subdivision.

Fla., Orlando—Marion Ives, S. Main St., and D. N. Freeman acquired 25 acres of land; develop subdivision; install water, sewers, electric lights, roads and streets.

Fla., Orlando—Indian River Improvement Corp., capital \$250,000, incorporated; James N. Wright, Robert D. Milam.

Fla., Orange City—Orange City Development Co., capital \$10,000, incorporated; J. E. McCreight, F. W. Howard.

Fla., Palatka—George Pinder, Chicago, Ill.,

reported to acquire 274,000 acres of land; will develop.

Fla., Pensacola—F. A. Duncombe, Erie, Pa., acquired 500 acres of land on Santa Rosa Sound; will develop subdivision; install water, sewers, electric lights, roads.

Fla., Pensacola—See Sewer Construction.

Fla., Pensacola—Dr. Albert Shaw, John H. Perry, 50 Church St., both New York, reported to have acquired from Fred M. Scott, Innerarity Island; will develop; Leigh French, Landscape Archt., 15 E. 49th St., New York.

Fla., Pensacola—City contemplates voting on \$25,000 bonds for acquiring lands for parks, \$100,000 for golf course; \$60,000 for extending water works; \$40,000 for storm sewers and drains; \$120,000 for extending sewer system. Address City Commrs.

Fla., Sarasota—A. B. Smith and associates interested in development of nursery.

Fla., Sarasota—A. S. Skinner let contract to N. I. Trudell, Bradenton, for construction work on unit No. 1 of Longbeach subdivision, including paving streets, laying curbs.

Fla., San Antonio—W. E. Currie, Detroit Mich., acquired 20 acre tract; will develop.

Fla., Sebring—Arnold Booth of Boston, Mass., and Charles E. Cheney, 300 Sixth Ave., St. Petersburg, acquired 320 acres of land; will develop.

Fla., Sebring—Sebring Highlands Co., capital \$25,000, incorporated; Alfred Wolf, Edward Wolf.

Fla., Sebring—Wm. E. Steyding, Kirby Bldg., Cleveland, O., acquired 320 acres of land on Lake Jackson; develop subdivision; install water, sewers, electric lights, streets; build lake; pavilion and bath houses.

Fla., Sebring—Hon Investment Co., J. L. Briscoe, Pres., DeLand, will develop 132-acre subdivision at Sebring Heights; construct pier over Lake Jackson, erect community house; install roads and streets; water, sewers, electric lights.

Fla., St. Augustine—Edw. E. Warlick Realty Co. is developing Fort Moose Gardens subdivision; will pave and grade streets; sewer and water.

Fla., St. Augustine—Vermont-Florida Land Co., J. E. Lanham, Pres., St. George St., will develop 300 acres on Dixie Highway for subdivision.

Fla., St. Augustine—Oglethorpe Investment Co., incorporated; P. R. Perry, 52 Charlotte St.

Fla., St. Petersburg—W. F. Gross, E. 505 13th Ave., acquired 22,640 acres of land in Pasco County; will develop.

Fla., Stuart—Cartwright-Babcock Realty Co., Babcock Bldg., incorporated; M. R. Cartwright.

Fla., Tampa—Charles E. Ball Co., capital \$10,000, incorporated; Charles E. Ball, S. Woodlyn Ave.

Fla., Tampa—City, W. Lesley Brown, City Mgr., has plans by F. M. Button, Landscape Engr., for development of park and recreational center on Robles Pond, including drives, walks, wading pool.

Fla., Tampa—City Commrs. are having plans prepared by F. M. Button, Landscape Engr., for development of Adams Park; will construct drives, walks, terraces, wading pool.

Fla., Tampa—Grissun-Harrison Realty Co., capital \$50,000, incorporated; James G. Grissum, Ralph W. Harrison.

Fla., Tampa—Tampa Realty Investment Co., Room 5, 304 Zack St., incorporated; R. M. Prince, M. H. Jackson.

Fla., Tampa—S. Stein, Brooklyn, N. Y., acquired 640 acres of land.

Fla., Tampa—Stewart-Savarese Realty Co., Citizens Bank Bldg., incorporated; C. E. Stewart, 348 Plant Ave., J. A. Savarese.

Fla., Tampa—A. J. Simms & Co., 417 Citrus Exchange Bldg., acquired 12 miles of land from Six Mile Creek to Rocky Point; will develop.

Fla., Tampa—J. S. Wilbrom, New York, acquired tract of 100 acres; will develop.

Fla., Tampa—Joseph B. Lowndes, 127 17 1/2 Liberty Ave., New York, and L. Unanoff, Lee-Nest Construction Co., New York, reported to have acquired tract of land north of Sulphur Springs; develop subdivision.

Fla., Tampa—Cracowaner Investment Co., capital \$25,000, incorporated; Daniel Cracowaner, 210 E. Park Ave.

Fla., Tarpon Springs—City votes July 27 on \$60,000 bonds for golf course. Address the Mayor.

Fla., West Palm Beach—Dickoff Develop-

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ment Co., capital \$15,000, incorporated; Joseph Dickoff, O. F. Hakes.

Fla., West Palm Beach—Northwood Properties, Inc., capital \$20,000, incorporated; Edw. Bleckner, Alfred A. Grayne.

Fla., West Palm Beach—Florida-New York Development Co., capital \$200,000, incorporated; E. Leonard Beard, Jr., W. H. Lockhart.

Fla., West Palm Beach—Mandalay Developers, Inc., capital \$50,000, incorporated; Wm. E. Harding, H. G. Fidler.

Fla., West Palm Beach—Parkhurst Land Co., capital \$1,000,000, incorporated; Henry J. Halterman, H. S. Maddock.

Fla., White Springs—J. R. Dasher, Valdosta, Ga., acquired 32,000 acres of land; will develop.

Fla., Winter Haven—Alexander-Taylor Properties, capital \$400,000, incorporated; J. S. Alexander, R. B. McMillen.

Fla., Winter Park—City voted \$26,000 bonds for improvements including park on Lake Apopka. Address The Mayor.

Ga., Augusta—Washington Heights Co., capital \$21,000, incorporated; Alfred M. Bitter, 2229 McDowell St.

Ga., Savannah—Harry H. Lattimore and Wm. Lattimore, E. 47th St., acquired 40 acres of land south of Chatham Crescent; develop subdivision.

La., Rayville—Richland Land & Timber Co., Delhi, will develop Richland township.

La., Shreveport—Junior Chamber of Commerce, Bradford Hearn, Pres., interested in development of tourist park.

Md., Baltimore—Charles Realty Co., 14 E. Twenty-fifth St., incorporated; John T. O'Leary, 3811 Caton Ave.

Md., Baltimore—Hamilton-Florida Realty Corp., capital \$100,000, incorporated; Eli Silberstein, Irving Lippens, 4141 Norfolk Ave.

Md., Baltimore—General Development Co., 333 Equitable Bldg., capital \$100,000, incorporated; Albert B. Huss, 4744 Reisterstown Road.

Md., Baltimore—Florida Tropics Development Co., capital \$100,000, incorporated; Charles Russell, Annie A. Dukes.

Miss., Gulfport—See Miscellaneous Construction.

Mo., Chamois—Saline County Land Co., capital \$25,000, incorporated; A. A. Speer, Jefferson City; C. R. Markuand.

Mo., Kansas City—S. & S. Recreational Co., capital \$10,000, incorporated; Abe O. Sackin, 211 Lathrop Bldg.

Mo., Kansas City—Lakewood Golf & Country Club incorporated; Georgia W. Snyder, 1001 Continental Bldg.

Mo., Kansas City—Frank Investment Co., capital \$25,000, incorporated; F. G. Robinson, 1020 N. Fifty-eighth St. Terrace.

Mo., Kansas City—Security Development Co., capital \$10,000, incorporated; Max Hurst, 629 Lee Bldg.

Mo., Kansas City—Park Lane Investment Co. incorporated; Roy T. Collins, Fifty-first St. and Warnall Rd.

Mo., St. Louis—North End Improvement Co., capital \$20,000, incorporated; A. D. Krupnick, Joseph A. Wulf.

Mo., St. Louis—Onyx Investment Co., incorporated; A. B. Plows, 3816 Delante St.

Mo., St. Louis—Bowden Realty & Investment Co., capital \$25,000, incorporated; Wm. R. Bowden, 6926 Bradley Ave.

Mo., St. Louis—Housam Realty Co., incorporated; W. Oscar Housam, 5707 McPherson St.

Mo., St. Louis—Valley Park Realty Co., incorporated; Walter H. Hahn, 721 Chestnut St.

Mo., St. Louis—Beckers-Demko-Hahn Land Co., capital \$70,000, incorporated; Walter H. Hahn, 721 Chestnut St.

N. C., Asheville—J. T. Horney, 10 Church St., let contract to Asheville Power and Light Co., 104 Patton Ave., for installation of white way system in subdivision on French Broad Terrace; let contract to Kelly and Wilson for water and sewer system.*

N. C., Asheville—Robt. S. Brown, 1 N. E. Pack Sq., Brown Realty Co., will develop subdivision on Beaucatcher Mountain; install roads, streets, water, sewers, electric lights.

N. C., Charlotte—Pharr Estates, Inc., chartered; W. S. Pharr, Providence Rd.

N. C., Greensboro—City Comms. retained E. S. Draper, Landscape Archt. and Engr., 11 E. Fifth St., Charlotte, and 101 Marietta St., Atlanta, Ga., to plan development of municipal cemetery near Guilford Battle Grounds, first develop 50 acres of ultimate 250 acres.

N. C., Tyrone—J. T. Reese, Samuel L. Sweeney, 901 Elmwood Ave., both of Columbia, S. C., reported interested in development of summer colony.

Okla., Mangum—Mangum Country Club, R. L. Short, Sec., receives bids July 15 for furnishing materials and constructing earth fill dam, spillway and clean-out intake; Benham Engineering Co., Conslt. Engrs., Gumbel Bldg., Kansas City, Mo.

S. C., Camden—Ingleside Plantation, capital \$32,000, incorporated; A. D. Kennedy.

S. C., Chester—Ralph H. McFadden will develop golf course.

Tenn., Columbia—City and Greers Memorial Assn., interested in development of park.

Tenn., Humboldt—Rotary Club interested in development of club.

Tenn., Memphis—O. C. Howser will develop 50 acre subdivision.

Tenn., Memphis—Walnut Grove Land Co., W. C. Johnson, W. J. Russell and G. O. Waring, 1326 Harbest Ave., interested in development of 200 acres of land; will subdivide into 2½, 5 and 10 acre tracts for suburban homesteads; lay streets, have engaged local firm of engineers to make survey.* (See Machinery Wanted—Well, etc., Tank and Tower.)

Tex., Houston—Houston Subdivision Co., capital \$20,000, incorporated; Walter F. Brown, L. A. Daniels, 1007 Missouri St.

Tex., Houston—E. J. Burke, 4701 Tyons St., will develop Pierce Court subdivision; install water, sewers, streets, concrete sidewalks, electric lights.

Tex., Waxahachie—See Miscellaneous Construction.

Va., Franklin—Caray Investment Corp., capital \$50,000, incorporated; Hugh D. Cmp. Burton J. Ray.

Va., Norfolk—Seventeenth Street Corp., capital \$50,000, incorporated; John W. Watson, 314 Marlboro Ave.

Va., Winchester—Chas. E. Kountz, 115 Young Bldg., Hagerstown, Md., is preparing plans for improvements to Kenilworth estate at Stevenson.

Va., Woodstock—Shenandoah National Park, Inc., chartered, with H. J. Benchoff, Pres.

W. Va., Charleston—Fort Hill Realty Co., capital \$125,000, incorporated; K. Kinzel, 822 Bigley Ave.

W. Va., Clarksburg—Kirk King, capital \$25,000, incorporated; Kirk King, Lynn Ave.

W. Va., Charleston—Greenwich Village Land Co., Blake McFadden, Pres., St. Albans; develop subdivision.

W. Va., Fairmont—Westmont Realty Co., capital \$150,000, incorporated; Harry Neptune, 832 Emerson St.

W. Va., Huntington—Ohio Valley Realty Co., capital \$25,000, incorporated; John W. Wright, 302 31st St.

W. Va., Kingwood—Felix Elliott, Pres. of company planning development of 18-hole golf course.

Lumber Enterprises

Ala., Montgomery—Southern Lumber Co., capital \$75,000, incorporated; A. M. Grimsley, J. E. Carmel.

Ala., Snow Hill—Robinson Lumber Co., incorporated; Carl H. Robinson, L. M. Simpson.

Ark., DeQueen—Dierks Lumber & Coal Co., 700 Gates Bldg., Kansas City, Mo., plans to reforest cut over holdings.

Fla., Jacksonville—Peninsular State Lumber Co., capital \$100,000, H. A. Hepfer, Pres., 1808 Post St.

Fla., Pace—Pace Spence Lumber Co., H. B. Pace, Mgr., will rebuild burned plant, 36x125 ft., wood floors; construction by owners; install \$30,000 machinery, including band mill, gang, edgers, etc.; equipment furnished by Turner Supply Co., W. Commerce, St. Mobile Ala.; Moore Dry Kilns Co., Jacksonville, Fla. and Filer & Stowell Co., Milwaukee, Wis.

Ga., Macon—Case-Fowler Lumber Co., Forsyth Rd., rebuilding burned sheds; will erect new office building.*

Ga., Valdosta—Weston Lumber Co., acquired planing mill of Hartley Planing Mill Co.; will remodel and enlarge.

La., Columbia—O. H. Kizer Lumber Co. will rebuild saw mill; burned at loss of \$10,000.

Miss., Cleveland—Elmer Nowell Lumber Co. changed name from Cleveland Lumber Co., E. J. and Ora Nowell.

Miss., Corinth—H. M. Nelms Lumber Co., incorporated; G. W. Shackelford, Corinth; H. M. Nelms, Winona.

Miss., Jackson—White Central Lumber Co., Mills St., L. C. Gilbert, Mgr., let contract to W. J. McGee & Son, 419 Mississippi St., to rebuild burned plant; C. H. Lindsley, Lamar Life Bldg., Archt.*

Miss., Poplarville—Virgie Lumber Co., incorporated; John T. Boyd, Hamp Stewart.

Mo., Kansas City—Southwest Lumber Co., capital \$38,700, incorporated Eugene Ryan D. F. Hodges.

N. C., Charlotte—Manufacturers Lumber Agency, Inc., capital \$100,000, chartered; J. W. Carrell, Lynchburg, S. C.; D. H. Rudisill, Charlotte.

N. C., Elizabethtown—Ricks Lumber Co., capital \$100,000, incorporated; L. D. Ricks, Elizabethtown; C. B. Williams, Fayetteville.

Okla., Oklahoma City—C. E. Sharp Lumber Co., Contl. Bldg., capital \$100,000, incorporated; C. E. Sharp, M. W. Sharp.

S. C., Columbia—Sea City Timber Co., incorporated; Malvern Halsey, Leroy Halsey.

S. C., Conway—M. M. West & Co., incorporated; J. F. Tyson, Clig E. Rankin.

Tenn., Memphis—Evans Hardwood Lumber Co., Mallory Ave., South Memphis, organized; W. L. Evans, 1739 Glenview St.

Tex., Mexia—Mexia Planing Mill Co., capital \$30,000, incorporated; John W. Swann, Lawrence J. Ingram.

Tex., Tahoka—Cicero Smith Lumber Co., plans erecting 28 x 140-ft., stucco office building and lumber sheds.

Tex., Tahoka—Forest Lumber Co. contemplates erecting office building, has yards in Slaton, Lubbock, Wilson and Lamesa.

W. Va., Huntington—Northeast Lumber Co., O. E. Burns, Pres., Robson-Prichard Bldg., acquired 8000 acres hardwood timber in Mingo County, will erect mill, build tramways to develop tract.

Metal-Working Plants

Mo., Kansas City—Atlas Iron & Metal Co., capital \$50,000, incorporated; J. H. Levin, 2711 Benton Blvd.

Mo., Kansas City—Metalware—Robeson Rochester Corp., chartered; Louis S. Foulkes, Charles S. Silcox.

Mo., St. Louis—Commercial Steel Works, Inc., chartered; Clara O. Joerger, 5907 Washington St.; Frank L. Maret; metal products.

Mining

Ala., Margerum—John R. Scott, Merch. Fac. Bldg., St. Louis, Mo., and associates acquired about 2000 acres asphalt lands in Colbert County; will develop for production of asphaltic paving material; lay standard gauge track to connect with Southern Ry.; build employees' houses, equip with electric lights, water works, etc.

Fla., Gosling—Stuart Stone Co., capital \$25,000, incorporated; W. C. Simmons, A. R. Wallace.

Okla., Miami—Hobart Mining Co., capital \$100,000, incorporated; Fred R. Hobart, Miami; James O. Griggs, 2116 Walnut St., Kansas City, Mo.

Tex., Greenville—Industrial Lignite Co., capital \$21,000, incorporated; J. D. Middleton, G. M. Hodges.

Miscellaneous Construction

Fla., Key West—Pool—See Land Development.

Fla., Largo—Pier—City Comsn. contemplates building pier foot of Bay Drive; probably issue bonds. Address City Clerk.

Fla., Pensacola—Bulkhead—Sherrill Terminal Co. will build 600 lin. ft. bulkhead; construction by owner.*

Fla., Pensacola—City, Thos. H. Johnson, Commr. Streets and Public Works, has begun construction of freight shed on municipal docks and let contract to Pensacola Ship Building Co. for dredging.*

Florida—River Improvement—Gen. Taylor, Chief of Engineers, Washington, D. C., has \$400,000 available for improvements of St. John's River from Jacksonville to the ocean.

Fla., Sarasota—Terminals—J. M. Braxton, Conslt. Engr., has completed surveys for port terminals, which have been adopted by Chamber of Commerce; plans include 22 ft. channel through New Pass to docks built in Bay approximately 1½ mi. from mainland, west of Payne Terminals, with turning basin for deep-draft vessels and 10-ft. channel from deep-water basin into Payne Terminals.

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for lightering freight to the mainland docks and railroads; estimated cost \$750,000; in addition to work 42 acres land will be made from dredging of channel.

Fla., Sebring—Lake—See Land Development.

Fla., Tampa—Lee Terminal & Warehouse Co., capital \$350,000, incorporated; J. Edgar Lee, Pres., 4009 N. Lockwood Ave., Chicago, Ill.; will establish general warehouse and storage buildings; operate steamboats, etc.

Fla., West Palm Beach—Incinerator—City Comsn. received low bid from Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., for 60 ton incinerator.

Fla., Winter Haven—Docks, etc.—Fernwood Land Co. let contract to Nively-Giddings Co., of Winter Haven for 100-ft. pier and foundations for pavilion, also entrance gates to 100-ft. boulevard, all work in connection with improvements on Lake Eloise.

La., Lake Charles—Wharves, etc.—Comms. of Lake Charles Harbor and Terminal Dist. voted \$500,000 bonds for harbor and port facilities.*

La., Shreveport—Dam—United States Engineers will direct work of reconstructing dam at Caddo Lake, estimated cost \$125,000; shared as follows: U. S. Government, \$50,000; State of Texas, \$25,000; Caddo Levee Board, \$12,500; Gulf Refining Corp., \$25,000, and State of Louisiana \$12,500.*

Miss., Gulfport—Piers, etc.—Lee M. Russell interested in improvements on Cat Island, plans include several piers, bathing pavilions, hotel, pleasure resort with ample acreage for golf course, etc.; reported probably expend about \$10,000,000; P. J. Krause, Archt., Meridian, Miss., and Frank Fort of Crane & Franzheim, Archts., 345 Madison Ave., New York.

Mo., Cape Girardeau—Swimming Pool—See Miscellaneous Enterprises.

N. C., Elizabeth City—Wharves, etc.—City votes Aug. 18 on \$32,000 bonds for purchase of property for proposed construction of municipal wharves; J. H. Snowden, City Auditor.*

S. C., Spartanburg—Swimming Pool—Spartanburg Country Club let contract to Fiske-Carter Construction Co., 115 W. Main St., Spartanburg, for \$15,000 swimming pool, 30x50-ft., dressing rooms, etc.

S. C., Spartanburg—Incinerator—City contemplates bond election, \$75,000 for incinerator. Address City Clerk.

Tex., Beaumont—Wharf—City Comsn. let contract to John J. Jacobson, 2311½ C. St., Galveston, at \$101,466 for rebuilding wharf unit No. 1, 500 ft. long, 64 ft. wide, creosoted piling; R. J. Black, City Engr.*

Tex., Orange — Bulkhead — Orange Ice, Light & Water Co. will erect 700-ft. bulkhead and dock, steel sheet piling, 60-ft. creosoted piling, timber and back fill; estimated cost \$25,000; Engineering Service Corp., Engrs., 905 Keystone Bldg., Houston.

Tex., Galveston — Dam — Maj. Julian L. Schley, U. S. Dist. Engr., has \$50,000 available for repairing Caddo Lake dam; cost approximately \$100,000.

Tex., Waxahachie—Swimming Pool—R. B. Tanner contemplates building rock bottom, concrete swimming pool at Rocky Sholas, on the Waxahachie creek; also develop camp grounds, etc.

Miscellaneous Enterprises

Ala., Birmingham—Amusement Park—R. A. Brown, Pres. Alabama State Fair Corp., have tentative plans for installing amusement park equipment, including airplane swing, carousel, ferris wheel, miniature railway, old mill, scooter, swimming pool, etc.

Ark., Fayetteville—Price Poultry & Egg Co., capital \$20,000, incorporated; F. M. Patrick, C. P. Dodd.

Fla., Coral Gables—Coral Gables Theater Co., capital \$250,000, incorporated; W. Harvey, John W. Bennett.

Fla., Coral Gables—Hemmings Construction Co., capital \$50,000, incorporated; Ernest Hemmings, C. B. Reemelin.

Fla., Dade City—Dade-Richey Title Co., capital \$50,000, incorporated; A. J. Burnside, Pres.

Fla., Dalton—Magnolia Cleaners & Dyers, 418 Magnolia Ave., let contract to Eshelman Supply Co., 1431 N. Twenty-fifth St., Birmingham, Ala., for complete equipment for new plant.

Fla., Jacksonville—Laney & Delcher Stor-

age Co., capital \$50,000, incorporated; A. H. Laney, Pres., 1658 Fores St.

Fla., Jacksonville—Community Laundry, Inc., capital \$50,000, chartered; Thos. A. Brooks, James E. Crews.

Fla., Key West—Monroe County Abstract Co., capital \$15,000, incorporated; D. G. Filer, Pres.; Geo. W. Reynolds, Sec.

Fla., Lakeland—Bergh & Collette, Genl. Delivery, will establish plant for manufacture of overalls and work shirts, interested in equipment and materials. (See Machinery Wanted—Overall Machinery, etc.)

Fla., Miami—Florida Pharmacy, capital \$20,000, G. R. Quillian, V. M. Goned.

Fla., Miami—Mead & Miller Office Equipment Co., capital \$250,000, incorporated; F. F. Momand, 1045 N. W. First St.

Fla., Miami—Fuel Oil Equipment Co., capital \$25,000, incorporated; C. B. Chinn, 440 N. E. Second Ave.

Fla., Miami—Van Plumbing Co., incorporated; W. J. Van Delinder, Charles Van Delinder.

Fla., Miami—Miami Beach Misto Water Co. will erect \$10,000 plant on Jefferson Ave.

Fla., Palm Beach—U. S. Abstract & Title Guaranty Co., capital \$250,000, incorporated; V. Mason Weil, Geo. W. Brown.

Fla., Pensacola—City proposes expending \$25,000 on fire fighting equipment and extension; contemplate bond election. Address City Clerk.

Fla., Pensacola—City, Thos. H. Johnson, Commr. of Streets and Public Works, contemplates voting on \$25,000 bonds for additional fire-fighting equipment and erection of buildings for same.*

Fla., Sarasota—L. D. Reagin, Editor and Propr. of The Times, will soon begin construction of building on Seventh St., 3-story, fireproof, reinforced concrete and steel, tile and concrete floors; stairways, walls and partitions all fireproof construction; Spanish type of architecture; install latest type printing machinery.

Fla., St. Petersburg—Gamble Paint & Hardware Co., incorporated; J. R. Gamble, Pres.; J. D. Gamble, Sec.

Fla., Tampa—North Tampa Building Co., capital \$50,000, incorporated; Thad Butler, Pres., 7304 Nebraska Ave.

Fla., Tampa—Charles G. Mullen, 1813 Watrous Ave. and Jerome A. Waterman, acquired the Florida Growers Publishing Co., 1506 Grand Central Ave., will operate as independent farm journal.

Fla., Tampa—Pullman Co., F. J. Carten, Dist. Mgr., Twelfth St., let contract for laundry building.

Fla., Tampa—Concrete & Builders Supply Co., capital \$25,000, incorporated; B. Wesley Roberts, 811 Santiago St.

Fla., West Palm Beach—Brazilian Court Building Corp., capital \$2,000,000, chartered; H. Stanley Paschal, New York; R. D. Edsall, West Palm Beach.

Fla., West Palm Beach—S. W. Hiatt, Gen. Mgr. County Fair Assn., has tentative plans for improvements, including hard surfaced track, etc.; has between \$55,000 and \$60,000 available.

Fla., West Palm Beach—Laundry, etc.—Harding, Inc., capital \$50,000, chartered; Wm. E. Harding, H. C. Fisher.

Fla., Winter Haven—Parkway Hotel Co., capital \$25,000, incorporated; H. B. Mabson, A. Summerlin.

Ga., Columbus—Welding Equipment—Universal Supply Co., capital \$200,000, incorporated; Wm. H. Dismuke, Jr., L. S. Wolfe.

Ga., Macon—Merritt Hardware Co., 370 Broadway St., reorganized; A. M. Peeler, Pres.

La., Crowley—Crowley-Molne Co., capital \$10,000, incorporated; W. C. Lamb, Pres.; remodeling building on First St.; handle farm tractors, etc.

La., Glenmora — Company organized with Archie K. Purdy, Pres.; E. M. Pringle, Sec.; will establish \$75,000 dehydration plant.

La., Monroe—Ounchicha Baking Co., Inc., increased capital, \$100,000 to \$150,000.

La., Monroe—International Paper Co., 100 E. Forty-second St., New York, reported, purchased Bastrop Pulp & Paper Co.; will also probably operate bag factory. A. R. Graustein, Pres., International Paper Co., advises: Expect take over Bastrop Co. July 15; continue entire operating organization as at present; we will buy all the outstanding stock, probably continuing Bastrop Co. as separate corporation; look forward to increase in capacity of mill; kind and size not yet determined.

La., Monroe—Stovall Navigation Co., capital \$100,000, incorporated; Fred Stovall, Pres., 407 Louisville Ave.

La., Monroe—Huff Dalstead Dusters Co., Inc., temporary address Tallulah, contemplate establishing plane headquarters at Monroe; to promote boll weevil warfare.

La., Shreveport—Berry Building Co., capital \$10,000, incorporated; D. L. Berry, Pres.; Walter Reppert, Sec.

Md., Baltimore—Mill Supplies—Hubbard-Kothe, Inc., 2-4 McClellan Place, incorporated; Harry C. Kothe, 2403 W. Lafayette Ave.

Md., Baltimore—Ward Baking Co., 413 S. Hanover St., let contract to C. B. Comstock, 110 W. 40th St., New York, for \$500,000 building cor. Spedden and Lanvale Sts.; 4-story, 151x300 ft., brick, steel and concrete; construction begun.

Md., Baltimore—Capillo Manufacturing Co., 846 W. Thirty-sixth St., capital \$10,000, incorporated; Wm. O. Ford, 1513 W. Payette St.

Md., Baltimore—Hutchinson Film Corp., 1133 Calvert Bldg., chartered; Wm. Edwin Bonn, Calvert Bldg.

Miss., Biloxi—Isle of Caprice Amusement & Development Co., capital \$10,000, incorporated; W. H. Hunt, Lewis E. Curtis.

Miss., Gulfport — See Miscellaneous Construction.

Miss., Laurel—Palace Dry Cleaning Co., capital \$10,000, incorporated; E. D. Travis, C. C. Vangorden.

Miss., Hattiesburg—Hotel Mitchell, capital \$60,000, incorporated; J. H. Mitchell, J. B. Vanden.

Mo., Cape Girardeau—E. E. Ebert leased 40-acre land on S. Spring St.; will develop for amusement and recreation resort, build open-air theater, install merry-go-rounds, swimming pool, etc.

Mo., Carthage—Carthage Press Publishing Co., capital \$60,000, incorporated; W. J. Sewall, Geo. H. Sewall.

Mo., Joplin—Junge Baking Co., Joplin St., expending \$50,000 on plant improvements, including additional 2 stories to building, installing new ovens, etc.

Mo., Kansas City—Plaza Royal Amusement Co., 214 Finance Bldg., let contract to Sebastian Patti Construction Co., Jenkins Bldg., for \$400,000 building, 3-story, 196x115 ft. 6 in., reinforced concrete, brick and steel, stone and terra cotta trim, maple and tile floors, gypsum roof; want prices on refrigerating machinery; C. A. Smith, Archt.; Geo. E. McIntyre, Architectural Engr., both 800 Finance Bldg.* (See Machinery Wanted—Refrigerating Machinery.)

Mo., Kansas City—Biggs Construction Co., capital \$25,000, incorporated; B. R. Barder, L. E. Strobel.

Mo., Kansas City—J. M. Graham, will erect \$25,000 laundry at 4200 Pennsylvania St., 1-story.

Mo., Kansas City—Azar Kimono Co., Theodore Azar, Pres., Graphic Arts Bldg., acquired 50-ft. site at 1612 Baltimore Ave.; will probably erect 3 or 4 story building; manufacture bathrobes and kimonos.

Mo., Mountain Grove—Citizens Life Insurance Co., capital \$25,000, incorporated; E. E. Randel, F. E. Schooley.

Mo., Springfield—Frank B. Smith Laundry Co., 512 Boonville Ave., let contract to American Laundry Machinery Co., Ross & Section Aves., Cincinnati, Ohio, for washers, extractors, presses, tumblers, etc.*

Mo., St. Louis—American Life & Accident Insurance Co., capital \$25,000, incorporated; F. L. Hunt, Gus C. Nations.

Mo., St. Louis—Printers' Supplies—Star Binding Manufacturing Co., capital \$25,000, incorporated; G. J. Zatliff, 5880 Ridge St.

Mo., St. Louis—Monticello Building Co., capital \$165,000, incorporated; J. T. Craven, Century Bldg.

Mo., St. Louis—Universal Cleaning & Dyeing Co., 513 Pine St., increased capital to \$15,000.

Mo., St. Louis—Greenhouses—Trost & Sons, Greenville, Ill., has contract for two section greenhouse at the Alton Institution; estimated cost \$25,000.

Mo., St. Louis—Seacree Advertising Corp., chartered; W. V. Schmidt, C. W. Obermeyer.

Mo., St. Louis—Clothing—Reifler-Ludwig, Inc., chartered; Wm. Gray, 3634-A Cottage St.

Mo., St. Louis—Paints, etc.—Climax Sales & Investment Co., incorporated; A. A. Gese-rich, 5126 N. Second St.

Mo., St. Louis—H. H. Hall Construction

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Co., capital \$75,000, incorporated; H. H. Hall, Pres., E. St. L. St.

Mo., St. Louis—Minneapolis Heat Regulator Co., capital \$10,000, incorporated; W. R. Sweatt, B. L. Boalt.

Mo., St. Louis—Drugs—Walgreen Co., capital \$156,250, incorporated; C. R. Walgreen, Pres.; J. H. Tyson, Sec.

Mo., St. Louis—Griswold Shirt Co., incorporated; Wm. Hardy Mantague, 4615 Lindell St.

Mo., St. Louis—South Side St. Louis Dairy Co. have plans completed for branch plant on Gravois Ave., 2-story main building, brick with terra cotta trim; Wildmer Engineering Co., Engr., Gas Bldg.; plant to be completed by Oct. 1.

Mo., St. Louis—Aro Creamery Co., G. T. Guthrie, Mgr., leased building of the Empire Brewery Co. on Sarah St.; will equip for the operation of creamery.

Mo., St. Louis—Missouri Engineering & Contracting Co., incorporated; Paul G. Palmer, James W. Skelly.

Mo., St. Louis—Reider-Ludwig, Inc., capital \$10,000, chartered; J. K. Reider, S. Ludwig; manufacturers agent.

Mo., St. Louis—International Harvest Hat Co., 717 Lucas St., increased capital, \$150,000 to \$200,000.

Mo., St. Louis—McDonnell Plumbing & Heating Co., incorporated; M. M. McDonnell, E. Mahon.

Mo., St. Louis—Chapman Bros. Dyeing & Cleaning Co., 310 Arsenal St., will erect branch plant cor. Lindell and Sarah St., 2-story, estimated cost \$14,900.

N. C., Dunn—Holliday Hardware Co., capital \$25,000, incorporated; Harper McD. Holliday, Jessie Holliday.

N. C., Durham—Fire Fighting Equipment—City will expend \$15,000 on additional fire fighting equipment. Address City Clerk.

N. C., Greensboro—Southern Bakery Co. let contract to J. A. Jones Construction Co., Walker Ave., at \$100,000 for plant at W. Lee St., 2-story and basement; install equipment making total cost approximately \$250,000.

N. C., Hendersonville—Amusements, Inc., capital \$10,000, chartered; W. H. Oliver, E. W. Ewbank.

N. C., High Point—High Point Marble & Granite Co., capital \$25,000, incorporated; J. W. Jamison, Jr., T. D. Phillips.

N. C., Stanley—Gaston County Dyeing Machine Co., capital \$50,000, incorporated; R. F. Craig, W. P. Hornbuckle.

Okla., Muskogee—Tulsa Pumping Unit Co., capital \$25,000, incorporated; W. H. Blakely, 922 W. Third St., Tulsa.

Okla., Shawnee—DeLuxe Mattress Manufacturing Co., incorporated; A. H. Taylor, B. H. Ashby.

S. C., Camden—Ingleside Plantation of Camden, capital \$22,500, incorporated; Stanley D. Fobes, 149 Broadway, New York.

S. C., Laurens—Absorbent Cotton—L. C. Barksdale, Sec. Laurens Business League, interested in establishing plant to manufacture absorbent cotton, wants data, etc.

S. C., Spartanburg—Quality Ice Cream Co., F. C. Walter, Pres., 175 Clifton Ave., increased capital, \$30,000 to \$130,000.

S. C., Spartanburg—W. B. Taylor, Colquitt-Taylor Creosote Co., reported acquired 77 acres; erect plant, first unit of which to cost \$200,000; will construct additional units as required.

S. C., Spartanburg—City contemplates bond election, \$60,000 for additional fire fighting equipment. Address City Clerk.

Tenn., Chattanooga—Col. C. S. Steward & Son, 501 Bat. Pl., contemplate establishing plant to manufacture radio equipment.

Tenn., East Lake, Branch Chattanooga—City contemplates \$500,000 bond issue for fire protection and sewerage system. Address City Clerk.

Tenn., Knoxville—Wiley Thomas, Purchasing Agent, let contract to The Gamewell Fire Alarm & Telegraph Co., 417 Dearborn St., Chicago, Ill., for complete installation police telegraph signal system.*

Tenn., Knoxville—C. & S. Laundry, Emory Place, owned by J. A. Conner, Fountain City, and Sam Sanders, will improve plant; portion of equipment purchased.

Tenn., Memphis—Five-Fifteen Building Co., capital \$60,000, incorporated; S. F. Clark, E. J. Lawless.

Tenn., Memphis—Analytical Laboratories, incorporated; Howard B. Stout, Thomas Irwin.

Tenn., Memphis—Co-operative Candy Job-

bers Assn. chartered; F. D. Smith, 2208 Madison St.

Tenn., Nashville—Jarmon Shoe Co., capital \$400,000, incorporated; J. F. Jarmon, J. H. Lawson, 407 Fifth Ave.

Tex., Amarillo—Hicks Rubber Co., capital \$10,000, incorporated; R. E. Strickland, M. L. Kelly.

Tex., Beaumont—Amusement Park—A. Ingersoll, Houston, Tex., interested in establishing amusement park.

Tex., Dallas—Western Monument Co., capital \$10,000, incorporated; A. C. Fricke, Howell Brooke.

Tex., Dallas—Casino Hat Cleaning & Pressing Co., incorporated; T. E. Milholland, K. Bertucci.

Tex., Fort Worth—Miller Electric Co., capital \$30,000, incorporated; C. J. Miller, 1902 St. Louis St.

Tex., Fort Worth—Shoes—H. J. Justin & Son remodeling building at 320 Lake St.; machinery ordered; moving factory from Noma.*

Tex., Galveston—Texas Export & Import Co., capital \$50,000, incorporated; Carl Eichenberg, 1902 N. 1/2 St.

Tex., Galveston—Texas Export & Import Co., capital \$50,000, incorporated; Carl Eichenberg, 1902 N. One-half St.

Tex., Harlingen—State Printing Co. incorporated; W. J. Baldwin, R. M. Gilmore.

Tex., Nacogdoches—Nacogdoches Coca Cola Bottling Co., capital \$30,000, incorporated; W. T. Haralson, J. C. Blake.

Tex., Plainview—Herald Publishing Co., H. S. Hilburn, Sec., let contract to Harrison & Smythe, Plainview, at \$20,000 for 50x140 ft. building, brick, cement floors, tar and gravel roof; install \$15,000 presses and linotypes; equipment furnished by Mergenthaler Linotype Co., Brooklyn, N. Y.*

Tex., San Angelo—Concho Poultry & Egg Co., capital \$25,000, incorporated; W. E. White, R. A. Kimberling.

Tex., San Angelo—City will purchase additional fire fighting equipment; E. V. Spence, City Mgr.

Tex., San Antonio—Delaware Punch Co., Granada and N. San Marcos Sts., plans building new plant on San Marcos St., fireproof throughout; brick, concrete framework, metal roof, composition floor, steel sash and frame; equipped with heavy duty elevators; laboratory to be on second floor.

Tex., Waxahachie—Spalding Undertaking Co., incorporated; T. W. Windham, Pres., of Italy; plans establishing plant.

Va., Norfolk—New Method Laundry, Inc., capital \$25,000, chartered; B. F. Joyner, Sec., 1319 Washington St.

W. Va., Charleston—Contractors—Grossep & Co. incorporated; Paul B. Grossep, Morrison Bldg.

W. Va., Fairmont—Chemists—Carmac Chemical Corp. chartered; R. H. Toothe, 30 Kenilworth Place, New York; Cornelius A. Cole, Hackensack, N. J.

W. Va., Wheeling—Advertising—Gutman-Gibson Co., capital \$10,000, incorporated; D. Milton Gutman, Robert E. Gibson.

W. Va., Wheeling—Homeseekers Fire Insurance Co., capital \$100,000, incorporated; Otto Schenk, Pres., Featherwood.

Motor Bus Lines and Terminals

Ala., Florence—Alabama Power Co. will probably establish bus line service to North Florence, eventually to Wilson Dam and other sections.

N. C., Durham—Durham Public Service Co., E. Main St., seeks franchise to operate bus line for street car service on Lakewood Park-Mangum St. line.

N. C., Goldsboro—Highway Motor Transit Co. plans operating bus line from Wilmington to Hamlet.

Tex., Beaumont—Lone Star Stage Co. contemplates operating bus line between Beaumont and Port Arthur, with proposed terminal at 245 Fannin St.

Tex., Sherman—City Comsn. granted following permits for bus line service; Moss & Kirk; Red Ball Stage Line and to Oscar Kirk.

Tex., Waco—Yellow Cab Co., 813 Franklin Ave., incorporated; Gus S. Weathered, C. C. Smith.

Motor Cars, Garages, Filling Stations

Ark., Jonesboro—Standard Oil Co., Jess Rhodes, Dist. Agent, acquired site at Monroe and Union St.; will erect drive-in filling station.

Fla., Lake Wales—L. S. Acuff has contract for improvements to the Scenic Highway Garage, which will add second story to shop at Central Ave.; let sub-contract to Tampa Ship Building Co. for steel work on second floor; Spanish Mission type; second floor will be used for storage, capacity about 60 cars; install steel ramps; first floor will have shops, store rooms, etc.; John B. Thomas, Archt.

Fla., Miami—Florida Motor Marts, Inc., 1101 News Tower, chartered; Harvey White, Pres.; R. T. Lipscombe, V. P.; A. M. Watts, Sec.; reported to erect three "Motor Marts," each to cost approximately \$700,000, using both ramp and elevator system; purchased sites and contracts will soon be considered; proposed sites are now in Fort Dallas Park, one near News Tower and one near Roney Plaza, capacity for 1000 cars, room for 75 chauffeurs, club accommodations for 1000 members; R. Kanyon Perry, Archt., Atlanta, Ga.

Fla., Orlando—Joseph Falk, 522 Fifth Ave., New York, has under construction 100 x100 ft. garage on Church and Kentucky Ave., brick and cement blocks.

Fla., Tampa—Hall's Garage, Inc., capital \$25,000, chartered; Harold C. Hall, 1200 Marion St.

Ga., Atlanta—The Texas Co., will erect \$20,000 garage corner E. Georgia and McDaniel St., 1-story, concrete and steel.

Ga., Augusta—Georgia Motor Sales Inc., capital \$25,000, chartered; Bowdre P. Mays, Frank C. Doughty.

Ga., Valdosta—Mrs. E. M. Devine has begun construction of \$25,000 storage garage and apartment building on Savannah Ave., 2-story, brick and concrete.

Mo., Cape Girardeau—Cape Nash Co., Theo. Ochs, Propr., will erect \$15,000 sales room; 40x80 ft., brick, concrete floors, composition roof.*

Mo., Kansas City—Parker Motor Co., capital \$26,000, incorporated; C. D. Parker, 3522 Walnut St.

Mo., Kirksville—Richardson Oil Co. will erect station cor. Jefferson and Elson St.

Mo., St. Louis—Automobile Accessories—Ernest J. Krause Co., Inc., capital \$43,000, Ernest J. Krause, Jr., Pres., Fullerton Bldg.; C. M. Barksdale, Sec.

N. C., Charlotte—F. C. Lowe will erect \$25,000 service station and storage building at Wilkes Place and Fifth St.

N. C., Durham—City will expend \$14,000 on erection of municipal garage. Address City Clerk.

N. C., High Point—Starr Motor Co. will occupy building to be erected by R. H. Wheeler at 219 E. Commerce St.

N. C., Raleigh—Rawls Motor Co., 405 Fayetteville St., plans building \$54,000 office and store building on Fayetteville St.

S. C., Charleston—The Tire Co. acquired site cor. Meeting and Hasell St.; plans building modern drive-in service station.

Okla., Bartlesville—W. G. Leamon Motor Co., capital \$50,000, incorporated; W. G. Leamon, Forrest E. Derwent.

Okla., Oklahoma City—C. and C. Motor Co. incorporated; Geo. Caraway, F. M. Overturf.

Tenn., Memphis—J. C. Barker, 63 S. Third St., will erect for Standard Oil Co. \$10,000 service station at 316 Adams Ave.; brick and tile.

Tex., Brownsville—McDermott Motor Co., capital \$25,000, incorporated; R. Thomas McDermott, C. H. Thomas.

Tex., Cisco—E. M. Little Motor Co., capital \$15,000, incorporated; E. M. Little, J. W. Harris.

Tex., Houston—Alex Clark Motor Car Co., capital \$75,000, incorporated; Alex. S. Clark, E. A. Hester, 1521 Westheimer St.

Tex., Houston—Travis Driverless Co., capital \$11,000, incorporated; J. Arthur Clark, 916 Williams St.

Tex., Kaufman—G. C. Smith will erect \$15,000 automobile sales and service station, 75x75 ft., brick, concrete floor; install one 3-ton freight elevator, 13 ft. lift; will purchase lumber, brick, steel, cement, sand, gravel, builders' hardware, metal ceiling, metal doors, ornamental terra cotta, steel sash and trim and wire glass. (See Machinery Wanted—Building Materials.)

Tex., Lockhart—Lockhart Motor Co., increased capital, \$24,000 to \$48,000.

Tex., Val Verde—L. E. Hummreys, Royalton, Ill., has contract for \$11,000 filling station, residence and garage building, hollow tile and stucco; Stebbens & Waters, Architects, Weslaco.

W. Va., Charleston—Midland Fire Service

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., capital \$50,000, incorporated; Charles Young, Charles H. Leesman, 25 Rhodes Ave. W. Va., Keystone — Elkhorn Motor Co., capital \$50,000, incorporated; L. P. Hicks, J. D. Davis.

W. Va., Worthington — Dixie Oil Co. leased property; will erect gasoline filling and service station.

Railways

Ark., Benton—Missouri Pacific Railroad will build 10 mi. of second track between Cypress Junction and Benton, at an estimated cost of nearly \$400,000. E. A. Hadley, 6061 Pershing Ave., St. Louis, Mo., is Ch. Engr.

Va., Grundy—Norfolk & Western Railway has applied to Interstate Commerce Commission for permission to extend its narrow gauge subsidiary, the Big Sandy & Cumberland Railroad 14 miles near Hurley, Buchanan County. Va., W. P. Wiltsee, Roanoke, Va., is Ch. Engr.

Railway Shops and Terminals

Ky., Paducah—A. F. Blaess, Chief Engr. Illinois Central R. R. Co., advises: Will construct three major units each containing several buildings, with tracks and outside crane-ways, sewer and water lines, lighting system and paved roadways between buildings; main divisions are:

Locomotive Shop Facilities: 245x682 ft. locomotive erecting and machine shop building, containing 5 inside cranes, largest 250 tons; 85x460 ft. blacksmith shop with one 10-ton crane; 166x625 ft. boiler shop containing 3 cranes; 100x625 ft. paint and tank shop with one 50-ton crane; 68x312 ft. tin and electric shop; 52x168 ft. carpenter shop; 110x140 ft. power house building; 1,000,000 gal. capacity reservoir; 25x120 ft. wash and locker building and 2-story and basement, 55x135 ft. office building.

Car Shop Facilities: 450x720 ft. car repair shop containing twelve 20-ton cranes; 80x320 ft. wood mill building; 40x300 ft. lumber sheds; 35x240 ft. wash and locker building.

Store Department: 68x298 ft. store house; 68x146 ft. paint and oil store house; 68x98 ft. brass foundry; 80x247 ft. iron shed and 35x240 ft. wash and locker building. All buildings have concrete foundations and cedar piles, requiring 175,000 lin. ft. piles and 7000 tons steel used in locomotive shop and store department facilities; contracts let to Jos. E. Nelson & Sons, 3240 S. Michigan Ave., Chicago, Ill., for foundations and underground sewer and water pipe lines, erection structural steel for locomotive shop and store dept. units and construction complete of tin and electric shop; work under direction of Chief Engr. and Frank R. Judd, Engr. of Bldg.

Miss., Natchez—The Yazoo & Mississippi Valley R. R. Co., M. B. Morgan, Dist. Engr., Memphis, Tenn., reported secured option on property to construct roundhouse and other facilities, estimated cost \$80,000.

S. C., Florence—Atlantic Coast Line R. R., Lyman Delano, V.-P., Carolina Apts., Wilmington N. C., reported, soon let contract for 14-stall roundhouse as extension to present building of 21 stalls; estimated cost \$30,000.

Tex., Houston—The R. & P. Construction Co., Inc., Keystone Bldg., has contract for track improvements in classification yard of The Port Terminals Railroad Assn.; contract covers installation of eight No. 7 turnouts, 8500 ft. track, 6000 yds. grading and also furnishing and applying 5000 yds. shell ballast.

Road and Street Construction

Alabama—State Highway Dept., Montgomery, let contract for 5 roads: Mobile County, 11½ mi. grading and plain cement concrete surfacing on Mobile-Theodore road, Joseph Fromherz, Inc., Title Guaranty Bldg., New Orleans, \$217,051; 9 mi. bituminous concrete surfacing on Madison Ave., Capitol Heights, Hodgson & Jones, N. Perry St., Montgomery, \$58,557; Lee and Chambers Counties, 22 mi. gravel, between Opelika and LaFayette, J. W. Gwin, Birmingham, Hamilton Station, \$232,732; bridges to McCoy & Garrett, \$19,135; Tallapoosa County, 5½ mi. gravel between Alexander City and Kellyton, J. B. Turner, Columbiana, \$79,847; Clarke County, 16¼ mi. gravel, between Grove Hill and Thomasville, Newell Construction Co., Birmingham, \$243,341, low bidder; bridges to Lamb and McLemore, Entwaw, \$42,833.

Ala., Birmingham—City Comm., plans 5 blocks of additional paving on Sixth Ave. South, or Ave. G, cost \$80,955.

Ala., Chatham—State Highway Comm., Montgomery, plans expending \$100,000 for road between Dwight and Yellow Pine, Washington County, on Mobile to Meridian Highway.

Ala., Decatur—City let contract to Independence Paving Co., to improve and surface 7 streets, including Ferry, Lee, Church. Address City Clk.

Ala., Opelika—See Land Development.

Ala., Sheffield—City Commrs., plan street paving; contemplate \$219,000 bond election.

Arkansas—State Highway Comm., Little Rock, let contract for 4 roads and bridge: Sebastian County, 11.6 mi. gravel between Greenwood and Mansfield, J. S. McCord and J. D. Nuckles, Fort Smith, \$20,000; Mobley Construction Co., Little Rock, for 4 mi. asphalt surfacing Conway-Palmer, at \$6945, and 5.7 mi. Jonesboro-Egypt road, \$7624; Lee County, 2 mi. Kokomo to St. Francis County line, Bankers' Construction Co.; bridge over L'Anguille River, on road from Marianna to St. Francis County, Vincennes Bridge Co., Vincennes, Ind.

Ark., Clarendon—State Highway Comm., Little Rock, plans 12 mi. hard surfaced road between Turner, Monroe County and St. Charles, Arkansas County.

Ark., Little Rock—City, H. N. Knowlton, City Clk., let contract to M. D. L. Cook, Southern Trust Bldg., at \$48,000 for 10 blocks of paving.*

D. C., Washington—Dist. Commrs., plan resurfacing 7 streets, including D, K, S, Second.

Florida—State Road Comm., Tallahassee, receives bids July 21 for 2 roads and bridge: Manatee County, 4.62 mi. Ilmerock base on prepared subgrade on Road No. 5; Jackson-Washington Counties, 8 mi. grading, etc., Road No. 1; Alachua County, underpass, under S. A. L. R. R., south of Gainesville, Road No. 2, steel deck girder on concrete abutments; plans on file; J. L. Cresap, State Highway Engr.

Florida—State Road Dept., Tallahassee, let contracts for 11 roads: 7 mi. grading Road No. 8, between Okeechobee City and Lake Anne, Otis Hardin, Okeechobee, \$15,200; 6.79 mi. rock base Road No. 3, between Lawley and Maxwell, Whitney Construction Co., St. Augustine; 5.17 mi. grading and drainage, Road No. 5, south of High Springs, Taylor & Co., Lincoln Life Bldg., Birmingham, Ala., \$21,506; 10.89 mi. grading and drainage, Road No. 5, north of Archer, J. R. and J. B. Miller, Raconton, Ga., \$44,693; 9.92 mi. rock base Road No. 3, between DeLand and St. John River, L. M. Gray, Oak Hill, Fla., \$138,270; 13 mi. rock base Road No. 8, between Okeechobee and Lake Anne, H. E. Wolfe, \$141,921; approach to Blackwater River Bridge, Road No. 1, Santa Rosa County, S. G. Collins, Milton, Fla., \$14,700; 3.5 mi. sheet asphalt Road No. 2, between Leesburg and Helena Run, Southern Paving Construction Co., Volunteer Life Bldg., Chattanooga, \$150,313; 9.67 mi. grading, etc., Road No. 1, east of Chattahoochee, Taylor Contracting Co., Birmingham, \$55,524; 9.83 mi. grading, etc., Road No. 1, west of Quincy, Taylor Contracting Co., \$34,531; 10.82 mi. grading, etc., Road No. 3, between Palatka and Clay County line, B. Booth & Co., Green Cove Springs, \$60,764.

Fla., Avon Park—See Land Development.

Fla., Bartow—See Land Development.

Fla., Brooksville—Hernando County plans building 75 mi. roads; contemplates \$1,000,000 bond election. Address County Commrs.

Fla., Clearwater—City, Chas. E. Mason, Mgr., receives bids July 27 for street improvement: 226,925 sq. yd. paving and Florida lime rock base, 210,000 cu. yd. excavation, 142,000 lin. ft. combined curb and gutter, 100 storm inlets, vitrified brick, asphalt block, Portland cement concrete, bituminous macadam and bituminous concrete; plans on file.

Fla., DeLand—See Land Development.

Fla., DeLand—Volusia County, Daytona, Daytona Beach and Seabreeze Dist., plan 30 mi. 18-ft., concrete road to Lake County line extension, through Lake to border of Marion County; votes Aug. 11 on \$2,000,000 bonds. Address County Commrs.*

Fla., DeLand—State Road Dept., Tallahassee, receives bids July 21 to grade and construct drainage structures on 7.43 mi. Road No. 3, Volusia County; plans on file and from Div. Engr.; J. L. Cresap, State Highway Engr.

Fla., Gainesville—See Land Development.

Fla., Fort Lauderdale—City plans straightening and widening North Brickell Ave. from Fifth St. to East Coast Ry. Address City Clk.

Fla., Holly Hill—City, J. C. Murphy, Clk.,

plans street paving; voted \$110,000 bonds; L. Sherer, Mayor.

Fla., Jacksonville—Duval County plans 7 roads; voted \$1,500,000 bonds. Address County Commrs.*

Fla., Jacksonville—Oakwood Villa Estates, W. C. Warrington, Pres., 1637 Myra St., plans street and sidewalk paving in subdivision.

Fla., Key West—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Miami—See Land Development.

Fla., Ocoee—See Land Development.

Fla., Palmetto—City, W. B. Kirby, Commr. of Public Works, receives bids Aug. 6 to grade, drain, pave, construct culverts, storm drainage, lay sewer and water pipes and otherwise improve various streets; plans from City Clk. or Res. Engr.; Kirby & Webb, Civil Engrs.

Fla., Orlando—See Land Development.

Fla., Pensacola—City Commrs., plan street paving, including Government St.; contemplate \$150,000 bond election.

Fla., Pensacola—See Land Development.

Fla., Plant City—City, W. C. Wells, Mayor, plans street paving; contemplates bond issue.*

Fla., Sarasota—See Land Development.

Fla., Sebring—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City plans letting contract this summer to widen and pave Ninth St. from Thirtieth to city limits; S. S. Martin, Director of Finance.

Fla., St. Petersburg—J. Harker Chadwick & Co., Evergreen Acres, Chalmers C. Johnson, Gen. Mgr., plans hard surfacing 7½ mi. streets in subdivision.

Fla., Tampa—Hillsborough County Commrs., plan improving road and bridges in Fifth Commrs. Dist.; contemplate \$750,000 bond election; A. B. Pimm, County Engr.

Fla., Tampa—City, Wm. E. Duncan, Clk., plans improving 5 streets, including North and South Blvd., Nebraska Ave.

Fla., Tampa—Hillsborough County Commrs., let contract to Geo. E. Wycoff & Co., Hall Bldg., Little Rock, Ark., at about \$300,000 to pave 47 streets in Bel-Mar subdivision with Willite; to Highway Engineering & Construction Co. at about \$150,000 to pave 12 streets in Inter Bay section with Amesite.

Fla., West Palm Beach—City, Hugh J. Daugherty, Clk., received bid from Atlantic Bitulithic Co., Munsey Bldg., Washington, D. C., at \$462,699 to pave in Dist. No. 5-C with Warrentite bitulithic on 9-in. compressed rock base and at \$494,351 on 6-in. concrete base.*

Fla., West Palm Beach—City, Hugh J. Daugherty, Clk., receives bids July 24 for 78,000 cu. yd. grading, 75,000 sq. yd. sidewalks, 122,000 lin. ft. concrete combined curb and gutter, 215 catch basins, 301,000 sq. yd. paving, 16,000 lin. ft. 6 and 15-in. sewer, 24 manholes; plans from C. A. Bingham, City Mgr.; T. B. Henry, City Engr.

Fla., Zolfo Springs—Town plans street paving; contemplates bond election. Address Town Clk.

Ga., Atlanta—Fulton County, W. P. Price, Pur. Agt., 147 Peoples St., receives bids July 17 to pave Mayson Ave. from Peachtree to Piedmont road; plans from 507 Courthouse.

Ga., Wadsworth—State Highway Comm., Raleigh, plans 13 mi. road on Route No. 20, from Wadsworth to new concrete bridge over Yadkin River.

Ky., Mayfield—City, F. A. Crawford, Clk., receives bids July 28 for street improvement in 5 sections: Sec. No. 1, 19,293 lin. ft. curb and gutter, 57,092 sq. yd. paving, 22,558 cu. yd. excavation, 1090 lin. ft. 15 to 24 in. sewer, 20 inlets, 2 double inlets, 5 manholes; Sec. No. 2, 31,846 lin. ft. curb and gutter, 53,086 sq. yd. paving, 25,174 cu. yd. excavation; Sec. No. 3, 33,349 lin. ft. curb and gutter, 73,028 sq. yd. paving, 32,031 sq. yd. excavation; Sec. No. 4, 28,134 lin. ft. curb and gutter, 43,251 sq. yd. paving, 19,502 cu. yd. excavation; No. 5, 150 tons binder, 22,150 sq. yd. paving; plans on file and from Black & Veatch, Engrs., Mutual Bldg., Kansas City, Mo.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 4 gravel roads: Ouachita Parish, 7.75 mi. Monroe-Farmerville Highway, Clark & Junkin, Thomastown, \$84,292; East Feliciana Parish, 6.45 mi. St. Francisville-Clinton Highway, John F. Irvine, Baton Rouge, \$44,000; Orleans and Jefferson Parishes, 4.17 mi. Algiers-Belle Chasse, Highways Construction Co., Godchaux Bldg., New Orleans, \$62,000; Sabine Parish, 2 mi. Many-Zwolle, J. H. Reeves, Peason, \$16,926.*

La., Lake Charles—Calcasieu Parish Police

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Jury plans road and bridge building on Evangeline Highway, in Wards 5 and 6; let contract to Joseph Fromherz, Inc., Title Guaranty Bldg., New Orleans, to pave additional width on Foster and Alvin Sts.

La., Lake Charles—City received low bid from Martin & Rilling for sidewalk improvement on Hendricks St. between Kirkman and Bank, and on Common St. between East and Tenth St. Address Mayor Geary.

La., Tallulah—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids July 28 to gravel 2 sections roads in Madison Parish: Tallulah-Delhi; Tallulah-Delta; plans on file: W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel.)

Md., Baltimore—City, Howard W. Jackson, Mayor, plans opening, widening and grading 7 streets and one alley; Steuart Purcell, Ch. Engr.

Md., Baltimore—Paving Comm., 214 E. Lexington St., plans paving Third St. from Fayette to Philadelphia road; Howard W. Jackson, Mayor.

Miss., Aberdeen—City will receive bids soon to pave with concrete 6 streets, including Long, Jefferson, Meridian. Address City Clk.

Miss., Bay St. Louis—Hancock County Board of Suprvs. let contract to Hogan Construction Co., Little Rock, Ark., at about \$135,000, for 72,000 yds. Willite asphalt paving.

Miss., Ellisville—City let contract to Stanley Craft, Ellisville, for concrete sidewalks on Court and Jessamine Sts.*

Miss., Houston—Chickasaw County, Beat One, plans 10 mi. hard surface road from Houston to Calhoun County line; voted \$50,000 bonds.

Miss., Lexington—Holmes County, Beat One, plans graveling roads; voted \$45,000 bonds. Address County Commrs.*

Miss., Magnolia—Pike County Board of Suprvs., Northern Road Dist., plans road building; voted \$125,000 bonds.*

Miss., Meridian—City plans street improvement; votes July 23 on \$20,000 bonds. Address City Clk.*

Miss., Philadelphia—Neshoba County Board of Suprvs. receives bids July 28 for 10,629 mi. State Trunk Road, between Philadelphia and Louisville, 112,572 cu. yd. common and barrow excavation, 23,705 lbs. reinforcing steel; also bridges, 180,862 ft. creosoted lumber, 9180 ft. untreated lumber, 21,570 lbs. reinforcing steel; plans from Chancery Clk., Philadelphia, and State Highway Engr., Jackson.

Miss., Senatobia—Tate County Board of Suprvs. let contract to H. M. McCain to gravel Independence road east of Coldwater; J. A. Castle, to gravel Palestine road near Coldwater.

Miss., Vicksburg—City, J. J. Hayes, Mayor, receives bids July 20 for concrete walk from Cherry St. to Carr Junior High School.

Miss., Woodville—Wilkinson County Board of Suprvs. plan 58 mi. improved road to Louisiana line; voted \$40,000 bonds.*

Missouri—State Highway Dept., Jefferson City, receives bids July 24 for 46 roads: Adair County, from Kirksville south; 3,026 mi. earthwork, 22,057 cu. yds. excavation; 3,026 mi. 18-ft. concrete surface, 31,955 sq. yds. pavement; 3,016 mi. earthwork, 38,336 cu. yds. excavation; 3,016 mi. 18-ft. concrete surface, 31,849 sq. yds. pavement; 2,919 mi. 30-ft. graded earth from Millard south, 18,073 cu. yds. excavation; 2,924 mi. 30-ft. graded earth, from Millard to Laplatta, 19,168 cu. yds. excavation; Andrew County, from Oregon to Savannah; 4,336 mi. earthwork, 15,184 cu. yds. excavation; 4,336 mi. 18-ft. concrete surface, 45,269 sq. yds. pavement; Dunklin County, 2,702 mi. 16-ft. gravel surface from Campbell to Clarkton, 15,802 cu. yds. excavation, 5,736 sq. yds. gravel surface.

In Henry County, Clinton to Calhoun; 3,710 mi. 30-ft. graded earth, 74,043 cu. yds. earth and rock excavation; 3,988 mi. 30-ft. graded earth, 33,531 cu. yds. excavation; 3,781 mi. 30-ft. graded earth, 38,310 cu. yds. earth and rock excavation; Lincoln County, 1,324 mi. 16-ft. gravel surface, Troy to Hawkpoint, 11,993 cu. yds. earth excavation; Macon County, from Macon south; 3,696 mi. 18-ft. gravel surface, 23,059 cu. yds. excavation; 3,485 mi. 18-ft. gravel surface, 46,045 cu. yds. excavation; Oregon County, 4,645 mi. 30-ft. graded earth from Alton east, 43,165 cu. yds. earth and rock excavation; 2,321 mi. 30-ft. graded earth from Koshkonong to Thayer, 16,674 cu. yds. earth and rock excavation; Palls County, 3,622 mi. 16-ft. gravel from New London to Perry, 20,853 cu. yds. excavation, 73,664 cu. yds. gravel surface.

In Scott County, 2,153 mi. 16-ft. gravel

surface from Benton to Charleston, 12,898 cu. yds. earth excavation; Wright County, 3,636 mi. 30-ft. graded earth from Hartville south, 29,440 cu. yds. earth and rock excavation; Audrain County, 4,802 mi. 16-ft. gravel surface from Paris to Mexico, 45,494 cu. yds. excavation; Boone County, Columbia to Ashland; 2,083 mi. 30-ft. graded earth, 26,763 cu. yds. earth and rock excavation; 208 mi. 30-ft. graded earth, 2423 cu. yds. excavation; .931 mi. 40-ft. graded earth, 23,194 cu. yds. earth and rock excavation; Dunklin County, 2,622 mi. 16-ft. gravel surface, Ipley east and west, 22,211 cu. yds. earth excavation.

In Franklin County, St. Clair east and west; 3,454 mi. 30-ft. graded earth, 48,968 cu. yds. earth and rock excavation; 3,678 mi. 30-ft. 38,364 cu. yds. earth and rock excavation; Holt County, Oregon to Savannah; 3,379 mi. earthwork, 28,305 cu. yds. excavation; 3,379 mi. 18-ft. concrete surface, 35,576 cu. yds. pavement; 4,401 mi. earthwork, 26,532 cu. yds. excavation; 4,401 mi. 18-ft. concrete surface, 46,513 sq. yds. pavement; Linn County, 3,074 mi. 30-ft. graded earth from Marcelline north, 25,575 cu. yds. excavation; Macon County, from Macon north, 4,950 mi. 18-ft. concrete surface, 52,232 sq. yds. pavement; 4,950 mi. earthwork, 40,261 cu. yds. excavation; from La Plata south; 4,455 mi. 30-ft. graded earth, 37,583 cu. yds. excavation; 4,308 mi. 30-ft. graded earth, 35,734 cu. yds. excavation.

In Monroe County, Paris to Mexico; .721 mi. 16-ft. gravel surface, 4,777 cu. yds. earth excavation; 4,189 mi. 16-ft. gravel surface, 51,798 cu. yds. earth and rock excavation; 4,910 mi. 16-ft. gravel surface, 43,229 cu. yds. earth excavation; Nodaway County, Pickering to Maryville; 4,689 mi. 9-ft. concrete surface, 24,570 cu. yds. pavement; 4,689 mi. earthwork, 71,213 cu. yds. excavation; Pettis County, from Tipton east and west; 3,339 mi. 18-ft. rock asphalt on sledge stone base, 32,808 sq. yds.; 3,338 mi. earthwork, 21,982 cu. yds. excavation; 3,339 mi. 18-ft. penetration macadam on sledge stone base, 32,808 sq. yds. pavement; Platte County, 197 mi. 30-ft. graded earth; Ralls County, 3,622 mi. 16-ft. gravel surface, 28,045 cu. yds. excavation; 7,555 cu. yds. pavement; B. H. Piepmeier, State Highway Engr.

Mo., Gainesville—State Highway Dept., Jefferson City, receives bids July 24 for 3 roads from Ava to Gainesville, in Ozark County; 4,398 mi. 30-ft. graded earth, 82,865 cu. yd. earth and rock excavation; 4,351 mi. 30-ft. graded earth, 34,881 cu. yd. earth and rock excavation; 4,014 mi. 30-ft. graded earth, 31,208 cu. yd. earth and rock excavation; B. H. Piepmeier, Ch. Engr.

Mo., Kansas City—City plans expending \$1,355,000 to improve North Penn Valley Park, and Main St., and to open Pershing road to Pennsylvania Ave. Address City Clk.

Mo., Kirksville—City let contract to S. L. Eggert, to pave 2 blocks on W. Missouri St. and lay sewer on S. Baltimore St. Address City Clk.

Mo., Maryville—Blount County Highway Comm. plans connecting county road system with State Highway system of North Carolina, at Deal's Gap or Ekaneetle Gap; also plans improving road from Maryville to Calderwood.

Mo., Mokane—City plans street maintenance and street lighting; voted \$20,000 bonds. Address City Clk.

Mo., Palmyra—City, H. M. Howard, City Clk., let contract to Western Construction Co. at about \$58,000 for 11½ blocks grading, curbing, guttering and paving with 6-in. reinforced concrete Main St.*

Mo., Springfield—City let contract to Edgar V. Koch at \$2.10 per lin. ft. to pave and 40 cents per lin. ft. to lay on Chestnut St. integral curb from Campbell to Main, and at \$2.07 per lin. ft. to pave Lombard St. from Pickwick to Fremont.

Mo., St. Charles—City receives bids July 17 to grade, excavate and Tarvia pave Jefferson St. from Second to Kings Highway. Address City Clk.*

Mo., St. Joseph—City plans grading 7 streets, including Commercial, Twenty-sixth, Concord. Address City Clk.

Mo., St. Joseph—Board of Public Works will receive bids to grade Morris St. from Cedar Springs to Valley St.; contemplates paving Monroe St. from Seventh to St. Joseph St.

Mo., St. Joseph—Board of Public Works will receive bids soon to grade east and west alley, between Valley St. and King Hill Ave.

Mo., St. Louis—City Board of Public Service received low bids at \$95,557 to pave 26 alleys; Skrainka Construction Co., Security Bldg.; Eyerman Construction Co., 1216 S.

Grand St.; Perkinson Bros. Construction Co., 3237 Carter St.; Alfred Lewald, 1219 Amherst St.

Mo., Springfield—City plans widening Sherman Ave. from St. Louis to Mill St.; widening and repaving South Ave. from Pershing to State St. Address City Clk.

Mo., Springfield—City plans grading and curbing Kimbrough Ave. Address City Clk.

Mo., Webb City—City, L. O. Walker, Clk., plans expending about \$75,000 for concrete pavements on 7 streets, including Jefferson, Broadway, Main; W. F. Gill, Mayor.

N. C., Asheville—See Land Development.

N. C., Chapel Hill—Board of Aldermen, W. S. Roberson, Mayor, and University of North Carolina, C. T. Woolen, Mgr., receive bids July 20 for 20,000 sq. yds. concrete and asphalt pavement, with necessary excavation, curb, gutter and storm drains; plans from Gilbert C. White Co., Engr., Five Points, Durham.

N. C., Halifax—Halifax County Commrs. plan hard surfaced roads in county; authorized \$900,000 bond issue; Hon. Wm. A. Hart, Dist. Highway Comr.

N. C., Lumberton—North Carolina Highway Comm., Raleigh, plans hard-surfacing 3 roads, totaling 40 mi. connecting Lumberton with Rowland and Red Springs.

N. C., Raleigh—Wake County plans completing Routes 21 and 50; contemplates \$890,000 bond election. Address County Commrs.

N. C., Rutherfordton—Town, C. F. Greer, Mayor, let contract to Z. B. Weathers & Sons, at \$23,000, for concrete sidewalks and sewer lines in city, and around new high school under construction between Spindale and Rutherfordton.*

Okla., Oklahoma City—State Highway Comm., will grade and concrete Oklahoma City State Highway to Kansas-Oklahoma State line, through Picher.

Okla., Picher—City Comm. plans paving 7 blocks on Main St.

S. C., Anderson—Anderson County Commrs. let contracts to grade and top-soil 2 roads: 2.4 mi. Saylor's Cross Roads, C. E. Branyon; 3.81 mi. Craytonville road, J. E. A. Branyon, \$6601.*

South Carolina—State Highway Comm., Columbia, receives bids July 28 for 6 roads and 3 bridges: Aiken and Lexington Counties, earth approaches to Chinquapin Creek Bridge on Prosperity-Wagner road; 11.76 mi. St. Matthews-Eutawville road, from Elmore to point near Vance; 10.141 mi. Bishopville-Johnsonville highway, from Mims crossroads to Lake City, Florence County; 100-ft. creosoted timber bridge over S. A. L. Ry. on Chester-Lancaster road near Fort Lawn; surface 8.3 mi. McCormick-Degefield road, McCormick County; 17.22 mi. road extending from Allendale to old Barnwell road; 2.75 mi. old Bailes road, Lancaster County, from Lancaster-Charlotte highway to York County line; earth approach to Scape Ore Swamp Bridge on Bishopville-Sumter road, Lee County; 3.263 mi. Chester-Whitmire road, Chester County; plans on file.

S. C., Spartanburg—City plans grading Market St. between Southern Ry. crossing and Liberty St. Address City Clk.

S. C., Spartanburg—City plans street and sidewalk improvement; contemplates \$790,000 bond election. Address City Clk.

Tenn., Athens—McMinn County Court plans grading McCroskey Highway through County, from Monroe County line, via Englewood, to Etowah; contemplates \$60,000 bond issue. Address County Commrs.

Tenn., Blountville—Sullivan County Court plans road from Bluff City to Carter County line. Address County Commrs.

Tenn., Benton—Polk County Commrs. plan road from Ocoee, up Ocoee River, via old Copper road, to Ducktown Basin; contemplates \$200,000 bond issue.

Tenn., Dresden—Weakley County plans 3 hard surfaced roads: Complete road from Dresden to Obion County line; surface Mississippi Valley highway and central road from south to north; contemplates bond issue. Address County Commrs.

Tenn., Huntingdon—Carroll County plans 4 concrete or hard surfaced roads through county; contemplates bond election. Address County Commrs.

Tenn., Maryville—City let contract to Murray Construction Co., Oak St. Bridge, Knoxville, to pave Main St. to new viaduct with asphalt, Henry St. to Everett; also Harper and Church Aves. and cross streets, with concrete.

Tenn., Maynardville—Union County plans laying waterbound macadam on road from Maynardville to Jacksboro, via Loyston; will sell bonds. Address County Commrs.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tenn., McMinnville—Board of Aldermen plans street improvement; votes Aug. 8 on \$75,000 bonds.

Tenn., Milan—City let contract to J. S. Lawrence Construction Co. for 5.2 mi. concrete streets. Address City Clk.

Tenn., Rutledge—Grainger County plans highway from Tate across Clinch Mountain to Kincaid's Ferry, on Kentucky line; voted \$50,000 bonds. Address County Commissioners.

Tex., Anderson—Grimes County plans 6.15 mi. concrete road on State Highway No. 6, to Navasota River; Oscar A. Seward, Jr., County Engr.; Ralph W. Barry, County Judge.

Tex., Austin—City, W. D. Yett, Mayor, let contract to W. E. Dooler, Dam Blvd., at \$9450 for 9000 sq. yd. 1½-mi. Uvalde rock asphalt paving on W. Thirty-second St. and W. Thirty-third St.

Tex., Baird—Callahan County plans .75 mi. 18-ft. bituminous macadam on State Highway No. 1; T. H. Webb, County Engr.; Victor R. Gilbert, County Judge.

Tex., Bastrop—Bastrop County plans road building; votes July 25 on \$25,000 bonds; E. H. Perkins, County Judge.

Tex., Carthage—Panola County, Thos. E. Boren, County Judge, plans receiving bids latter part of Aug. or Sept., for 3 highways; D. E. Martin, Engr.*

Tex., Clarksville—Red River County plans 1.01 mi. grading, bridges and 12-ft. gravel surfacing on State Highway No. 66, estimated cost \$46,000; A. J. Goode, Res. Engr.; Geo. Morrison, County Judge.

Tex., Denton—Denton County plans 2 roads, totaling 15½ mi. road around Dallas Lake, north and south of McKinney Highway, total cost \$125,000. Address County Commrs.

Tex., Galveston—Galveston County plans 24 mi. concrete or asphaltic surface on State Highway No. 6 between League City and Galveston; grading and bridges on about 2 mi. at Lamarque; C. C. Washington, County Engr.; E. B. Holman, County Judge.*

Tex., Houston—See Land Development.

Tex., Houston—City received low bid from Smith Bros., American National Bank Bldg., Dallas, at \$109,053 to pave Qulman, Manford and Wright Sts.; O. F. Holcombe, Mayor; J. C. McVea, Engr.

Tex., Houston—City, O. F. Holcombe, Mayor, let contract to Gulf Bitulithic Co., 701 Foster Bldg., to pave Welch Ave., from Waugh Drive to Shepherd Drive; A. B. Mauplin, City Engr.

Tex., Jourdanton—Atascosa County let contract to Colglazier & Hoff, 922 Austin St., San Antonio, at \$10,590 for 1.76 mi. bituminous top on State Highway No. 2, San Antonio-Pearsall road.*

Tex., Plano—City, G. Hudson, Sec., plans street paving; votes July 21 on \$15,000 bonds.

Tex., San Angelo—City, E. V. Spence, City Mgr., will receive bids soon to hard surface 10 blocks on business streets, estimated cost \$80,000; Terrell Bartlett, Engineers, 612 Calcasieu Bldg., San Antonio.

Tex., Stephenville—Erath County plans road building in Road Dist. No. 5; voted \$75,000 bonds; A. P. Young, County Judge.*

Tex., Sweetwater—Nolan County, A. S. Mauzey, County Judge, plans 7.82 mi. grading, bridges and gravel base with bituminous surface on State Highway No. 70; also for .0038 mi. overpass on State Highway No. 1, estimated cost \$8733; John A. Focht, Engr.

Tex., Vernon—State Highway Comm., Frank V. Lanham, Chmn., Austin, receives bids Aug. 7 to grade and bridge 2 roads: 6.97 mi. State Highway No. 5, from Oklaunion to Harrold, 43,470 cu. yd. earth roadway and borrow excavation; 15,424 lbs. reinforcing steel in culverts; 4.72 mi. State Highway No. 28 from Oklaunion northeast, 32,220 cu. yd. earth road excavation and borrow; R. J. Hank, State Highway Engr.; John B. Nabers, Res. Engr.*

Virginia—State Highway Comm., Richmond, receives bids July 23 for 4 roads and 2 bridges: Prince George County, 2.955 mi. concrete, 16,022 cu. yds. common and borrow excavation, 31,255 sq. yds. concrete pavement; also bridge over 20-ft. span, 8380 lbs. reinforcing steel; Clarke County, 2.30 mi. bituminous macadam, 22,552 cu. yds. common and borrow excavation, 24,520 cu. yds. pavement; Prince Edward County, 4.810 mi. soil, 34,067 cu. yds. excavation, 11,495 cu. yds. topsoil; bridge, over 20-ft. span, 13,520 lbs. reinforcing steel; Wise County, 1.505 mi. bituminous macadam, 51,106 cu. yds. excavation, 16,134 sq. yds. pavement; plans on file,

and from Dist. Engrs.; C. S. Mullen, Ch. Engr.

Virginia—State Highway Comm., Richmond, received low bids for 3 roads: Dinwiddie County, 1.913 mi. Route 31, Richmond road, from Riches' Store south, Southern Construction Co., 716 N. Sycamore St., Petersburg, \$45,854; Wise County, 1.674 mi. from Coeburn to point south of Cranes Nest Commissary, W. H. Meadows, Coeburn, \$65,584; .857 mi. concrete east and west of, Coeburn, Jenkins Construction Co., Norton, \$43,525.*

Va., Portsmouth—Norfolk County Comm. of Roads and Bridges, contemplates widening Chestnut St. at George Washington Highway; R. B. Preston, County Engr.

West Virginia—State Road Comm., Charleston, receives bids Aug. 4 to surface treat with cold tar application 5 roads: Fayette County, 14.5 mi.; Kanawha County, 7.4 mi.; Monroe County, 4.6 mi.; Mason County, 10.3 mi. Mercer and McDowell Counties, 10.6 mi.; plans on file.

West Virginia—State Road Comm., Charleston, receives bids Aug. 4 for 15 road projects: Brooke County, 2 mi. cement concrete through Beech Bottom; Ohio County, 1 mi. cement concrete river road, north of Warwood; rebuild with brick east side Fulton Hill; Logan County, 5.5 mi. grading and draining, Peck Mills-Chapmanville; 2.2 mi. grading, draining and graveling Ethel-Hetzel road; Harrison County, 5 mi. bituminous macadam Northwestern turnpike, between Clarksburg and Bridgeport; Wirt County, 8 mi. cement concrete surface, Elizabeth-Spencer road; Wirt and Roane Counties, 7.5 mi. cement concrete Elizabeth-Spencer road; Roane County, 8 mi. cement concrete surface Elizabeth-Spencer road; Wirt County, 8 mi. cement concrete paving Elizabeth-Spencer road; Roane County, 11 mi. bituminous macadam Spencer-Walton-Clendenin; Kanawha County, 4.86 mi. bituminous macadam, rock asphalt or cement concrete Charleston-Clendenin; Kanawha County, 4.48 mi. bituminous macadam, rock asphalt or cement concrete, Charleston-Clendenin; 4.44 mi. bituminous macadam, rock asphalt or cement concrete Charleston-Clendenin; 4 mi. Charleston-Clendenin; Preston County, 5 mi. cement concrete, Reedsville-Monongalia County line.

W. Va., Charleston—Kanawha County, Charleston Dist., plans building 6 roads; voted \$200,000 bonds. Address County Commrs.*

W. Va., Fayetteville—Fayette County, Thomas Boone, Clk., receives bids Aug. 3 to grade, drain and pave with bituminous macadam 4 mi. Clifton Danese road; plans from Geo. H. Siems, County Road Engr.

W. Va., Glenville—Road—Gilmer County, Troy Dist., contemplates grading and draining 2 roads; votes Aug. 5 on \$180,000 bonds: Road from mouth of Big Cove on State Route No. 18 to mouth of Little Cove and bridge over Little Cove, \$39,000; Staunton and Parkersburg Turnpike route from point in Troy toward Richle County line, \$141,000. Address County Commrs.*

W. Va., Glenville—Gilmer County, N. E. Rymer, Clk., receives bids July 22 for 2 roads: 4.2 mi. State Route between Glenville and Braxton, Glenville Dist., from end of improved road near Glenville to Sand Fork; 3 mi. Main County road, between eastern end of Glenville and DeKalb Dist. line; plans from County Road Engr., Glenville, Div. Engr. State Road Comm., Morgantown, and State Road Comm., Charleston.

W. Va., Pineville—Wyoming County Commrs. will let contract Aug. 3 for 7 mi. 18-ft. road, from point 2 mi. from Jesse, up Laurel Fork to Raleigh County line; also 2 concrete bridges at mouth of Glens Fork, and at Glen Morrison.*

W. Va., South Charleston, Branch of Charleston—Town receives bids July 27 for 4080 sq. yds. concrete paving, with necessary catch basins and tile, 3960 lin. ft. integral curb; plans from Town Engr.; Robert C. Jarrell, Town Recorder.

W. Va., Wayne—Wayne County, Butler Dist., plans road improvement, including hard surface road between Fort Gay and Echo, on Twelve Pole Creek; contemplates \$200,000 bond election. Address County Commrs.

Sewer Construction

Ala., Birmingham—City Comsn. authorized construction of sanitary sewer in Birmingham-Ensley.

Ala., Gadsden—City voted \$10,000 sewer bonds. Address the Mayor.

Ala., Opelika—See Land Development.

Ala., Selma—City received low bid from Selma Sand and Gravel Co., for construction of storm sewer on Fourth Ave.

Ark., Hot Springs—Oaklawn Improvement Assn. interested in installation of sewer system at Oaklawn; Cleveland Smith, City Engr.

Fla., Avon Park—See Land Development.

Fla., Bartow—See Land Development.

Fla., Clearwater—See Land Development.

Fla., DeLand—See Land Development.

Fla., Key West—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Miami—City contemplates rebuilding sewer system; Anson Marston is making surveys. Address City Mgr. Wharton.

Fla., Ocoee—See Land Development.

Fla., Orlando—See Land Development.

Fla., Palmetto—See Road and Street Construction.

Fla., Pensacola—City contemplates voting on \$160,000 sewer bonds, \$100,000 bonds for golf course, \$25,000 for parks and playgrounds and \$50,000 for water mains. Address City Commrs.

Fla., Pensacola—See Land Development.

Fla., Sebring—See Land Development.

Fla., South Jacksonville—City let contract to Shearman Concrete Pipe Co., Baker Bldg., Station A, Jacksonville, for concrete sewer pipe.

Fla., Silver Bluff—City has plans for sewer system in central business district; \$200,000 available. Address the Mayor.

Fla., St. Augustine—City has plans by Peter Kendrick Engineering Co. for sewer improvements; will expend about \$48,813.

Fla., St. Augustine—See Land Development.

Fla., West Palm Beach—See Road and Street Construction.

Fla., West Palm Beach—City will probably let contract for construction of sewers in storm District No. 5 and 8 to W. S. Lockman, Jr.

Miss., Meridian—City votes July 23 on \$25,000 sewer bonds. Address the Mayor.*

Miss., Waynesboro—City opens bids July 24 for sanitary sewer extensions; Henry A. Mentz, Const. Engr., Hammond, La.

Mo., Kansas City—Board of Public Works adopted plans for Blue Valley Sewer; will open bids for construction July 23.

Mo., Senath—See Water Works.

Mo., St. Joseph—See Road and Street Construction.

N. C., Boone—City, D. J. Cottrell, Mayor, receives bids July 28 for sewer system and water works. (See Machinery Wanted—Water Works and Sewer System.)

N. C., Asheville—See Land Development.

N. C., Alexander—See Road and Street Construction.

N. C., Burnsville—See Water Works.

N. C., High Point—City, H. A. Moffitt, Mayor, receives bids July 22 for sewer and water extensions. (See Machinery Wanted—Water and Sewer Extensions.)

N. C., Wallace—See Water Works.

S. C., Spartanburg—City contemplates voting on \$75,000 sewer bonds. Address The Mayor.

Tenn., Dayton—J. B. McCrary Co., Citizen & S. Bank Bldg., Atlanta, Ga., has contract for sewer system; J. S. Frazier, Street Comr.; cost \$50,000.

Tenn., East Lake, Branch Chattanooga—See Miscellaneous Enterprises.

Tex., Brownsville—City voted \$50,000 bonds for sewer system and disposal plant; Morgan L. Copeland, Sec.*

Tex., Canyon—City, C. M. Harrison, Mayor, will install sewer system for east section of city; W. D. Hovern, Civil Engr., Amarillo.

Tex., Dallas—City let contract to W. G. Cullum & Co., Central Bank Bldg., for construction of 6-in. sanitary sewer.

Tex., Houston—City received low bid from Chas. K. Horton, Garden Court Apts., for construction of sanitary sewer between Wilson St. and Waugh Drive; E. K. High, low bidder for sanitary sewer in Harris Gully.

Tex., San Angelo—City will construct sewer system; cost \$275,000; Terrell Bartlett, Engrs., 612 Calcasieu Bldg., San Antonio.*

Va., Pulaski—City, E. W. Calfee, Mayor, receives bids July 25 for construction of rock-fill dam and appurtenances. (See Machinery Wanted—Rock-Fill Dam.)

W. Va., Huntington—City Comsn. will make preliminary survey of sewer improvements; \$1,500,000 available; W. E. Neal, Mayor.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Telephone Systems

Ala., Mobile—Southern Bell Telephone & Telegraph Co., 67 Edgewood Ave., main office Atlanta, Ga., Hugh M. Stanfill, Dist. Mgr., acquired site on Conception St. near St. Francis St.; will expend approximately \$200,000 on 3-story exchange building, construction to begin about January, 1926.

Va., Altavista—Altavista Telephone Co., Inc., increased capital, \$15,000 to \$25,000.

Textile Mills

Ala., Boaz—E. F. Whitman, R. M. Miller and associates have building and will install 2000 spindle twine and cord mill; will consume 2000 bales of cotton annually.

Ga., Hawkinsville—Cochran Mill No. 2 will install twenty-four 90-in. looms.

La., Ruston—T. L. James, Chrm. Industrial Committee Chamber of Commerce, reported interested in establishment of textile mill.

N. C., Ellenboro—W. Henry Belk, Hawthorne Lane, Charlotte, reported interested in yarn manufacturing plant.

N. C., Stanley—Catawba Spinning Co., Mount Holly, will install dyeing system.

S. C., Autun—Pendleton Manufacturing Co. increased capital, \$100,000 to \$200,000.

S. C., Clinton—Lydia Cotton Mill will install one hundred 46-in. automatic dobby looms.

Tex., Fort Worth—Dixie Hosiery Mills, capital \$25,000, incorporated; F. P. Breckenridge, 618 Hemphill St.; Peter Hamilton.

Tex., Houston—Chamber of Commerce reported interested in establishment of knitting mill.

Tex., Victoria—Victoria Cotton Mills, P. M. Keller, of Belton, George Beveridge, Banning Cotton Mills, Atlanta, Ga., interested in erection of textile mill.

Water Works

Ala., Opelika—See Land Development.

Ala., Tuscaloosa—City let contract to M. L. Waddell to construct filter plant; cost \$45,000; M. A. Stone, of Morris Knowles, Westinghouse Bldg., Pittsburgh, Pa., Supv. Engr.

Fla., Avon Park—See Land Development.

Fla., Bartow—See Land Development.

Fla., Bartow—City, C. J. McNamee, Clk., receives bids August 12 for pumping plant equipment.* (See Machinery Wanted—Pumping Plant Equipment.)

Fla., Clearwater—See Land Development.

Fla., DeLand—See Land Development.

Fla., Holly Hill—City voted \$70,000 bonds for water works extension. Address the Mayor.

Fla., Key West—See Land Development.

Fla., Lake Wales—See Land Development.

Fla., Largo—City will probably extend water mains and acquire park sites; W. A. MacMullen, Jr., Engr.

Fla., Melbourne—City is having water tank erected storage capacity 100,000 gals.; Chicago Bridge & Iron Co., Healey Bldg., Atlanta, Ga., contractor.

Fla., Ocoee—See Land Development.

Fla., Orange City—J. W. Camac, Daytona Beach, acquired 50-year franchise and plant of Orange City Mineral Springs, including 5 acres of land; will install electric devices to increase pumping capacity and extend water mains.

Fla., Orlando—See Land Development.

Fla., Palmetto—See Road and Street Construction.

Fla., Pensacola—See Sewer Construction.

Fla., Sebring—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., St. Petersburg—City contemplates voting on \$3,000,000 bonds for water works, power facilities, gas plant; Ernest Kitchen, E. 125 19th Ave., Director of Public Works.*

Ga., Macon—Board of Water Commrs. will receive bids for 500 h.p. boiler for pumping station.

Ga., Tallapoosa—City is having 4-in. well drilled, install pumping machinery; W. T. Patterson, Supt. Light and Water. (See Machinery Wanted—Pumping Machinery.)

La., Port Allen—Gray Artesian Well Co., Pensacola, Fla., is drilling wells for improvement to water works.

Md., Baltimore—City, Howard W. Jackson, Mayor, will erect 9 brick structures on Hillen Rd. for water works; cost \$269,300.

Md., Cumberland—City receives bids July 17 for repairing Evitts' Creek Dam; P. A. Nicklin, Comr. Water and Electric Lights. (See Machinery Wanted—Water Works.)

Md., Hagerstown—City has plans by Chas. E. Kountz, Archt., 115 Young Bldg., for filtration plant to be erected on Potomac River above Williamsport.*

Miss., Brookhaven—City let contract to Layne-Central Co., of Layne-Bowler Co., Chelsea Ave., Memphis, Tenn., for new well, capacity 700 gal. per minute.

Miss., Columbus—City will extend water work system; erect 200,000 gal. reservoir; R. L. Totten, Engr., 415 Brown-Marx Bldg., Birmingham, Ala.; Pittsburgh-Des Moines Steel Co., 873 Curry Bldg., Pittsburgh, Pa., Contr.*

Mo., Aurora—Henry L. Doherty & Co., 60 Wall St., New York, will probably acquire Lawrence County Water, Light and Cold Storage plant.

Mo., Senath—City voted \$68,000 water and sewer bonds. Address the Mayor.

Mo., Springfield—Springfield City Water Co., R. L. Pate Mgr., will construct 1,000,000-gal. reservoir at Ritter Springs pumping station; is expending this year \$200,000 for laying new pipe and other improvements.

N. C., Asheville—See Land Development.

N. C., Boone—City, D. J. Cottrell, Mayor, receives bids July 28 for water works and sewerage. (See Machinery Wanted—Water Works and Sewer System.)

N. C., Burnsville—City let contract to V. B. Higgins & Co., Park Road, Charlotte, for water works plant, consisting of approximately 3 miles of 6-in. cast iron gravity line and 3 miles of 6-in. distribution mains with fire protection 500,000 gal. filtration plant, 200,000 gal. concrete clear well, 20,000 gal. concrete wash water tank and 3 miles sanitary sewers with appurtenances; Warren H. Booker, Engr., 121 Crescent Ave., Charlotte; Robt. Filter Manufacturing Co. has contract for filter equipment.*

N. C., Durham—City, R. W. Rigsby, Mgr., receives bids Aug. 4 for water works improvements, including extension to present mechanical filtration plant. (See Machinery Wanted—Water Works Improvements.)

N. C., High Point—City, R. L. Pickett, Mgr., receives bids July 22 for water and sewer extensions. (See Machinery Wanted—Water and Sewer Extensions.)

N. C., Kernersville—Town, D. W. Harmon, Sec., will expend \$18,000 for extension of water works system.

N. C., Wallace—City, A. J. Blanton, Mayor, voted \$75,000 water and sewer bonds.

Okla., Duncan—City votes July 18 on \$110,000 water works improvement bonds. Address the Mayor.

Okla., Guthrie—Water Dept. let contract to V. V. Long, 3515 Classen St., Oklahoma City, for remodeling water works; 800,000 gal. capacity; centrifugal pump of 5000 and 8000 gal. capacity; Robert Jones, Engr.*

Tenn., Elizabethton—Mountain Springs Water Co., E. C. Alexander, Pres., will install 2000 to 3000 ft. of 4-in. and 6-in. water mains.

Tenn., McMinnville—City votes Aug. 8 on \$65,000 water works bonds. Address the Mayor.

Tenn., Nashville—Board of Public Works authorized water works department to prepare plans for enlargement of Belmont Heights high service pumping station.

Tex., El Campo—El Campo Light and Ice Co. will complete system of water mains for entire city for 2 yrs., drill well for soft water, erect concrete reservoir.

Tex., Goree—Roy Irick, Plainview, has contract at \$28,497 for water works improvements; Montgomery & Ward, Engrs., Wichita Falls.*

Tex., Grand Prairie—City voted \$40,000 water works improvement bonds; Koch & Fowler, Engrs., 606 Central Bank Bldg., Dallas.

Tex., Houston—See Land Development.

Texas—Layne-Texas Co., 3605 McKinney Bldg., of Houston, Tex., is developing 14,000,000 gal. daily additional water supply for Houston; 10,000,000 gal. of this to come from new wells and other 4,000,000 from overhauling considerable part of already existing pumping plants; is installing 4 plants for East Texas Public Service Co. at Marshall, Gilmer, Mineola and DeKalb; is furnishing water supply consisting of both well and pump for following cities and industries,

Home Ice & Light Co., 205 W. Seventh Ave., Pittsburgh, Valley Electric & Ice Co., Houston, Elgin-Butler Brick & Tile Co., Elgin; City of Weimar; City of Shiner; Freeport Sulphur Co., Freeport; East Texas Electric Co., Beaumont; Carter-Kelly Lumber Co., Manning.

Tex., San Antonio—City will lay approximately 3000 ft. of 6-in. water mains in Palm Heights subdivision; I. Ewig, City Engr.

Tex., Port Arthur—City let contract to Burns & McDonald, Archts., 402 Interstate Bldg., Kansas City, Mo., to draft plans for filtration plant at Gilham Circle.*

Va., Amherst—Town contemplates installing water works system. Address the Mayor.

Va., Chincoteague Island—Chincoteague Water Co. is having water well drilled by Field Turlington.

Va., Clarendon—City, A. B. Eaton, Chief of Fire Dept., will construct two 30,000-gal. cisterns.

Va., South Norfolk—City of Norfolk plans expending \$70,000 in improvements and extension to water mains, supplying South Norfolk with water.

W. Va., Lumberport—Baltimore & Ohio R. R., Baltimore, Md., H. A. Lane, Ch. Engr., let contract to Vang Construction Co., Cumberland, Md., for construction of \$28,000 water reservoir.

Woodworking Plants

Ala., Albany-Decatur—Decatur Albany Furniture Manufacturing Co., establish plant to make porch and lawn hickory furniture; operated by W. A. Shaffer and R. C. Perkins.

Fla., Miami—Southern Furniture Co., 43 N. W. Second Ave., capital \$35,000, incorporated; H. C. Jones, Pres.; J. H. Collins, Sec.

S. C., Lena—Lena Veneer Co., capital \$50,000, incorporated; Geo. H. Bierbaum, 213 E. 59th St., Savannah, Ga., and others.*

Tenn., Greeneville—Mills Bros. will erect 56x100-ft., concrete blocks, galvanized sheet roofing, concrete floors and foundation; construction by owners; install planer, matcher, power plant; equipment all purchased.

FIRE DAMAGE

Ala., Columbiana—J. L. Isbell's store, Acker Cafe, Masonic Hall, Lester's garage; loss \$25,000.

Ala., Huntsville—W. J. Walling's residence; loss \$12,500.

Ala., Troy—Peanut plant of Wiley Fertilizer Co.; loss \$110,000.

Ala., Uniontown—T. N. Long's residence; loss \$12,000.

Ark., Helena—Portion of elevator owned by E. G. L. Freed Manufacturing Co.; loss \$12,000.

Ark., Little Rock—Southern Auto Co.'s garage at 713 Spring St.; loss \$50,000; garage operated by A. R. Lindsey.

Ark., Norphlet—Treating plant of Imperial Oil and Gas Co.; loss \$500,000.

Fla., Clearwater—Chas. Maddox's residence, Belleair section.

Fla., Pace—Pace Lumber Co.'s plant; loss \$150,000.

Ga., Macon—Case-Fowler Lumber Co.'s Forsyth Rd. yard at old Camp Harris; loss about \$1,000,000.

Ky., Louisville—Theobald-Jansen Electric Co. building, 514 W. Main St., owned by I. Sidney Jenkins Real Estate Co., Louisville Trust Bldg.; loss \$70,000.

Ky., Murray—A. L. Rhodes' mill and elevator.

La., Columbia—O. H. Kizer Lumber Co.'s saw mill; loss \$10,000.

Md., Leonardtown—St. Mary's Hotel. Address the proprietor.

Miss., Glendora—C. A. Johnson's Drug Store, Joe Sing & Co., Sam Stone grocery, Richard Hobson's store; all owned by H. P. Peal; loss \$25,000.

Miss., Hattiesburg—Warehouse owned by J. S. Turner & Sons Co., occupied by Southern Distributing Co., F. H. Waggoner Storage Co. and A. Polk Hardware Co.; loss \$50,000.

Miss., Hattiesburg—Martin Printing Co.'s plant on W. Front St.; loss \$15,000.

Miss., Horn Lake—State Line Creamery, owned by Will Gartill and Jim Hudgins.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

N. C., Charlotte—Fairview negro school building; address H. P. Harding, School Supt.

N. C., Danbury—Roller Mill of Reb. R. H. George.

N. C., Fallston—Lackey Drug Store, owned by Dr. F. H. Lackey and R. A. Lackey; J. J. Blanton's building; E. H. Lutz store and warehouse; Smith's garage and filling station; 3 warehouses, owned by Stamey Co.; W. A. Gantt's store; loss \$100,000.

N. C., Franklinton—C. S. Williams' cotton gin; loss \$10,000.

Okla., Cushing—Shaffer Oil & Refining Co.'s plant; loss \$150,000.

S. C., Anderson—T. B. Busha's residence, near Holland's store, Alford Bridge Rd.

S. C., Newberry—Dolphur W. Buzhardt's residence near Newberry.

Tenn., Athens—J. K. Wood's store; loss \$9,000.

Tenn., Chattanooga—Southeastern Oil Co.'s plant, 1800 Central Ave.; loss \$100,000.

Tenn., Chattanooga—Southeastern Oil Co.'s local plant, 1800 Central Ave.; loss \$100,000.

Tenn., Memphis—Building cor. Union Ave. and Second St., owned by Bernard & Snowden; loss \$10,000.

Tenn., Memphis—Prescott Memorial Baptist Church, Rev. J. H. Oakley, Pastor, 202 Paterson St.; loss \$75,000.

Tenn., Memphis—Kornick Millinery Co., 125 Union St., store room; loss \$10,000.

Tenn., Memphis—Reference library top floor Goodwyn Institute Building, C. C. Ogilvie, Supt.; loss \$25,000.

Tex., Brenham—Beran Auto Sales Co.'s

store and residence, building owned by W. W. Searcy.

Tex., Duncanville—R. L. Hammond's residence; loss \$10,000.

Tex., Quitaque—Quitaque High School building; loss \$60,000; address Board of Education.

Tex., Pleasanton—Theo. M. Davis' residence.

Tex., Schulenberg—Keuper Brothers' store building; loss \$20,000.

Tex., Somerville—Somerville Tribune, owned by Mrs. F. Burney, C. F. Hardt's feed store and other buildings.

Tex., Waco—Star Laundry, 418 S. Eleventh St.; loss \$41,000; owned by R. B. and H. C. Buchanan.

Va., Alexandria—Warehouse of National Fruit Products Co.; loss \$150,000.

Va., Alexandria—Bryan Fertilizer Co.'s plant; loss \$150,000.

Va., Roanoke—Roanoke Spoke & Handle Co., plant, Norwich St., in the Norwich section; loss \$150,000.

Va., Roanoke—G. C. Tench's residence, Tillett Ave., Grandin Court; loss \$10,000.

W. Va., Burnsville—Hotel Central, owned by T. E. Jeffries; offices of West Virginia Light & Heat Co.; loss \$25,000.

Damaged by Storm

Ark., Fort Smith—Elevator owned by Bail & Gunning Milling Co., of Webb City, Mo.; loss \$10,000; occupied by Bowen Oglesby Flour & Feed Co., 2510 Wheeler St.

ing near Wilson Park for Dr. W. J. Callaway and others.

Ark., Texarkana—Mrs. R. J. O'Dwyer and Geo. R. Mann, 1711 Center St., will erect 3-story fireproof block, Third and Pine Sts.; stores on first floor, offices above; Mann & Stern, Archts., A. O. U. W. Bldg., all Little Rock.

Fla., Avon Park—First National Bank of Avon Park will remodel and erect temporary addition to building; install new fixtures; later replace present brick front with marble.

Fla., Fort Pierce—Judge Fred Fee will erect \$75,000 store and office building, S. Second St.; Floridian type, 2 and 3 stories and mezzanine, with foundation to permit 2 or 3 additional stories, 52x183 ft., fireproof storage vault, library with 4000 sq. ft. floor space; space reserved for elevator; John N. Sherwood, Archt., Fort Pierce and Miami.

Fla., Fort Meade—Chamber of Commerce plans Florida-Spanish type stucco building Broadway near N. French Ave.

Fla., Miami—R. A. Hendricks, Gautier Bldg., is Atty. for Silver Bluff Bank securing charter; plans bank building between Grapeland Blvd. and 26th Ave.

Fla., Miami—City Builders Finance Co., Harry M. Hice, 1621 W. Ave. M. B., Local Representative, will erect 2-story office building.

Fla., Nokomis—Nokomis Bank will erect building.

Fla., Sarasota—C. O. Teate will erect fireproof office building, Main St., site present structure.

Fla., Sebring—Highlands Bank & Trust Co., J. H. Garst, Pres., considers erecting \$250,000 building, site present structure; Spanish Gothic type, 10 stories, steel, concrete and stucco, fireproof, elevators, increase capital; will install new fixtures and vaults even if new building should not be erected at this time.

Fla., St. Petersburg—C. R. Williams, 441 11th St. N., will erect 3-story building; Anchor Block material; stores on first floor; Lester Avery, Archt.

Fla., Tampa—A. J. Simms, 417 Citrus Exchange Bldg., care A. J. Simms Real Estate Co., L. C. Edwards, 713 S. Delaware Ave., and C. H. Constans leased site Cass and Tampa Sts., have tentative plans for and will erect \$500,000 office and arcade building.

Fla., Tampa—Cornelius Vanderbilt, Jr., 645 Ave. N. J., and others reported to erect \$2,000,000 office building, Franklin and Madison Sts.; 20 stories; stores on first floor.

Fla., Vero Beach—Vero Beach Bank & Trust Co. will erect 4-story building; banking quarters on first floor, offices above; W. Manley King, Archt., West Palm Beach.

La., Vinton—Calcasieu National Bank, Lake Charles, J. N. Wetherill, Mgr. of Branch Banks, will remodel Vinton Branch.

N. C., Burlington—Central Loan & Trust Co. and others will erect 11-story office building; Milburn Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and Durham, N. C.; Company advises project not far enough advanced to give information.

N. C., Charlotte—First National Bank plans to erect \$1,000,000 building instead of \$300,000 structures as originally planned; 20 stories, 59x175x70 ft.; Lockwood, Greene & Co., 24 Federal St., Boston, Mass., Charlotte, etc., and Louis H. Asbury, Realty Bldg., Charlotte, Asso. Archts.*

N. C., Forest City—National Bank of Forest City opens bids July 15 for fireproof bank building; cost \$60,000, 3 stories, 37x120 ft.; Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte.*

Okla., Blackwell—E. H. Peine will erect \$25,000 building; 2 stories, 60x25 ft., Peine-Wiles Investment Co. and banking quarters on first floor, offices above; structural steel, fireproof; H. H. Mahler, Archt., Lynch Bldg., Tulsa.

S. C., Florence—H. T. Capers, 97 Broad St., and associates plan \$1,000,000 home office building for Abba Life Insurance Co. of America.

Tenn., Knoxville—Famous Players-Lasky Corp., 485 Fifth Ave., New York, reported to erect 12-story office and theater building. (See Buildings Proposed—Theaters.)

Tex., Fort Worth—Fort Worth Grain & Cotton Exchange, E. B. Wooten, Sec., advise owing to existing lease will be about 4 yrs. before \$750,000 building can be started.*

Tex., Houston—Mrs. Niels Esperson, Second National Bank Bldg., receives bids Aug. 5 (lately noted Aug. 1) at office John Eberson, Archt., 212 E. Superior St., Chicago, for Italian Renaissance type office building; cost \$2,500,000, steel frame, concrete floors, brick, stone, 32 stories, 150x150 ft., cement floors, tile roof, hollow and interior tile, metal doors, vaults, mail chutes, ventilators, ornamental terra cotta, steel sash and trim, wire glass, vacuum steam oil burner heating, standard wiring and plumbing, 6 fast electric passenger elevators; contracts for steel work lately noted let; A. A. James, Resident Engr.; following contractors estimating: George A. Fuller Co., Fuller Bldg., New York; American Construction Co., Gulf Bldg.; Don Hall, Cotton Exchange Bldg., both Houston; Selden-Breck Construction Co., Fullerton Bldg., St. Louis, Mo.; Stone & Webster Corp., 58 S. Dearborn St., Chicago.*

Tex., Waxahachie—L. L. McNair reported to prepare plans for Medical Arts Bldg., Franklin and Elm Sts.; reinforced concrete, about 5 stories.

Churches

Fla., Arcadia—Baptist Church plans building; probably cost \$150,000. Address the Pastor.

Fla., Miami—Orange Glades Baptist Church, Rev. J. M. Skelton, Pastor, accepted plans for \$60,000 building; auditorium seat about 770, 20 Sunday school classrooms, accommodate 800.

Fla., Winter Haven—Church of Christ, Scientist, plans building, First Ave.

Ga., Jefferson—Jefferson M. E. Church, J. E. Randolph, Chmn. Bldg. Comm., will erect \$10,000 stone and concrete building to replace burned structure; Fred J. Orr, Archt., Prince St., Athens. (See Machinery Wanted—Lime; Cement; Roofing; Heating Plant; Lumber; Art Glass; Seating; Builders' Hardware.)

Md., Baltimore—Franklin Street Presbyterian Church, 504 Cathedral St., will alter building; cost \$15,000.

Md., Baltimore—University Baptist Church, W. M. McCormick, Chmn. Bldg. Comm., 400 Light St., plans main auditorium adjoining present Sunday-school building, Charles and 34th Sts.; John Russell Pope, Archt., New York.

Miss., Georgetown—Baptist Church, W. I. Izard, member, Finance Comm., plans 60x80-ft. brick building; 10 classrooms, etc.

Miss., Magee—Baptist Church plans building. Address the Pastor.

Mo., Wellsville—Baptist Church, Edgar Douglas, member Bldg. Comm., plans building; Ben C. Elliott, Archt., 116 N. Jefferson St., Mexico.

N. C., Kinston—Methodist Church reported

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Albany—Lodge No. 491, A. F. & A. M., F. A. Bloodworth, Chmn. Board of Control, probably ask for bids about Aug. 10 for remodeling Masonic Bldg.; cost \$30,000; first 2 floors for offices, lodge rooms above.*

La., Alexandria—Ancient Free and Accepted Masons selected Sam Stone, Jr., 714 Union St., as architect for \$250,000 temple; fireproof, reinforced concrete and steel, 5 stories, elevators, heating; Herman J. Duncan, Asso. Archt.*

Md., Baltimore—Pythian Castle Building Comsn., Richard Laws Lee, Pres., Morris Bldg., plans 4-story Pythian Castle, Charles and Preston Sts.; fireproof, first story stone, remainder light faced brick, marble interior trim, elevators; stores on first floor, offices on second, hall to seat 500, organ, banquet hall and kitchen on third, lodge rooms on fourth, roof garden; foundation to permit additional stories; Clyde N. & Nelson Friz, Archts., Lexington Bldg.*

Mo., Branson—State Bethels of Job's Daughters, Mrs. Ella Faulkenhalmer, Grand Guardian, St. Louis, plan clubhouse on 40-acre tract, White River W. of Branson, donated by Ben D. Seaman, 807 N. Jefferson St., Springfield.

Mo., Poplar Bluff—Ancient Free and Accepted Masons will erect \$100,000 temple.

Tenn., Memphis—Benevolent Protective Order of Elks, Frank L. Monteverde, Past Exalted Ruler, 190 Market St., plans \$850,000 building, Front St. and Jefferson Ave.; concrete and steel, 12 stories; lodge and club rooms, ballroom, libraries, etc.; 150 men's living quarters on upper floors; Geo. Mahan, Jr., American Bank Bldg., and J. J. Broadwell, Archts., Cotton Exchange Bldg.*

Tenn., Nashville—Buena Vista Masonic Lodge will erect \$12,000 brick addition to lodge hall, Ninth and Cheatham Aves.

Tex., Austin—Young Women's Christian Assn., Mrs. Noyes D. Smith, Pres. Board of Directors, will call for bids within 3 weeks for remodeling present building, Tenth St. and Congress Ave., and erecting new structure; 3 stories, reinforced concrete, hollow tile and brick, built-up roof, edge grain pine floors; Gleescke & Harris, Archts., Littlefield Bldg.*

Bank and Office

Ala., Florence—Geo. C. Norton, Independent Life Bldg., Nashville, Tenn., is architect for \$50,000 two-story and basement office build-

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considering erecting \$50,000 annex and parsonage. Address The Pastor.

Okl., Norman—Christian Church will erect \$250,000 building; Sorey & Vahlberg, Archts., 212½ W. Walnut St., Oklahoma City; raising funds.

S. C., Columbia—First Baptist Church, Rev. T. Clagett Skinner, Pastor, 1515 Pendleton St., plans start work by Oct. 15 on Sunday-school building.

S. C., Greenville—Central Baptist Church plans additions. Address C. S. James, Chmn. Bldg. Comm.

Tenn., Knoxville—Oakwood M. E. Church, Rev. W. D. Wilkinson, pastor, plans superstructure of building; basement completed.

Tenn., Knoxville—Rev. Eugene N. Hopper, Pastor, St. James' Episcopal Church, advises nothing definite regarding new building before at least 1 year.*

Tenn., Memphis—Prescott Memorial Baptist Church, Rev. Jas. H. Oakley, Pastor, 202 Patterson St., plans to rebuild burned structure.

Tex., Canyon—First Presbyterian Church, Rev. W. C. Kunze, Pastor, will erect \$30,000 brick and stone building; 2 stories and basement. 45x70 ft.; E. F. Rittenberry, Archt., 303 Blackburn Bldg., Amarillo.*

Tex., Crystal City—Baptist Church will erect \$11,000 frame addition; 2 stories, 20x42 ft.; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio; about ready for bids.*

Tex., Dallas—Methodist Church, Rev. Umphrey Lee, Pastor, 3609 Hynde St., ready for bids about Aug. 15 for Gothic type building, Highland Park Addition; brick, stone, 2 stories and part basement, U-shape, cost about \$225,000, seat 1500; Dewitt & Lemmon, Archts., 507 S. W. Life Bldg.*

City and County

Ala., Birmingham—City, Saml. L. Earle, Chmn. Library Bldg. Comm., plans to advertise for bids Aug. 1, to be opened in 2 or 3 weeks, for \$550,000 public library, Park Ave. and E. 20th St.; equipment \$100,000; Miller & Martin, Archts., Title Guarantee Bldg.; Eric Gugler, Const. Archt., 101 Park Ave., New York; Olmstead Bros., Landscape Archts., Brookline, Mass.*

Ala., Ensley—Commission of City of Birmingham, L. E. Gray, City Clk., 1102 Martin Bldg., Birmingham, receives bids July 21 for fire and police station, Avenue G and 17th St.; plans from Denham, Van Keuren & Denham, 411-16 Age-Herald Bldg., Birmingham.

Ala., Selma—Dallas County, W. M. Vaughan, Probate Judge, voted \$50,000 bonds for fireproof courthouse annex; 60x70 ft.*

Ark., Mena—Chamber of Commerce, W. E. Watkins, Chmn. Bldg. Comm., interested in erection of community auditorium.

Ark., Rogers—Rotary, Kiwanis and other clubs are interested in erection of auditorium.

Fla., Clearwater—Pinellas County Board of Commrs., Karl B. O'Quinn, Clk., plans to alter and enlarge courthouse; Francis J. Kennard, Archt., Krause Bldg., Tampa; also plan additions to jail; total cost \$150,000 to \$200,000.

Fla., Pensacola—City, Thos. H. Johnson Commr. of Streets and Public Works, considers calling election on \$510,000 bonds, including \$25,000 for land and buildings, etc., for fire dept.

Fla., Lakeland—City Commissioners, J. W. Buchanan, Jr., member, receives bids July 21 at office City Clk. for auditorium and City Hall buildings; plans and specifications from Franklin O. Adams, Jr., Archt., 510½ Franklin St., Tampa.*

Ga., Atlanta—City, Walter A. Sims, Mayor, votes Sept. 23 on \$2,000,000 bonds for building to house city hall, jail, courts, etc., Central Ave. and Pryor St.; steel (concrete covered), hollow tile and concrete, fireproof, 23 stories, 165x165 ft. with 75x75 ft. tower, concrete and concrete pile foundation, interior tile, metal doors, concrete and hardwood floors, vaults, mail chutes, vault lights, ventilators, ornamental terra cotta, rolling partitions, steel sash and trim, wire glass, Address A. Ten Eyck Brown, Archt., Forsyth Bldg.*

Ga., Atlanta—City, Walter A. Sims, Mayor, will erect \$30,000 fire station for Stewart Ave. near Capitol Ave., Tenth Ward.

Ky., Ashland—City, W. M. Salisbury, Mayor, receives bids July 21 for fireproof city hall; cost \$200,000, 5 stories, 60x80 ft., concrete foundation, composition roof, hardwood and concrete floors; hollow and interior tile, metal doors, vaults, ventilators, ornamental terra cotta, steel sash and trim, wire

glass; Wyson & Bengston, Archts., Professional Bldg., Charleston, W. Va.; Thos. F. Walston, Asso. Archt.*

Miss., Jackson—City will erect monkey house at Livingstone Park; plans by J. T. Halbert, Asst. City Engr.

Mo., Jefferson City—Sam S. Haley, Prosecuting Atty. Cole County Court, considers calling election Aug. 4 on \$75,000 county jail bonds.

Md., Baltimore—Board of Awards, Fred. A. Dolfeld, City Register, City Hall, will revise plans for police sub-station, Falls Rd. and Belvidere Ave., and call new bids, date not set.

N. C., Durham—City, R. W. Rigsby, City Mgr., will authorize \$86,000 bonds for fire station construction as follows: Building and site for south side station, \$17,000; building and site, Chapel Hill St. station, \$18,000; reconstruction of and site for Station No. 2, \$18,000; reconstruction and site for Station No. 3, \$18,000; 1 aerial truck, \$15,000; one 750 pumper, \$12,000; miscellaneous equipment, including extension of fire alarm system, \$5,000; \$17,000 probably available for vacated land.

Okl., Oklahoma City—Oklahoma County Board of Commrs., Ed Richards, Chmn., will remodel fourth floor of courthouse and install elevator; cost \$20,000.

Tenn., Nashville—City, S. H. McKay, City Clk., has low bid at \$27,352 from H. P. Jacobs, 701 Church St., for fire station, Demophreun St., near Eighth Ave.; Asmus & Clark, Archts., Stahlman Bldg.*

Tex., El Paso—El Paso County Commissioners' Court, J. A. Escajeda, County Judge, receives bids Aug. 3 for materials and labor and remodeling interior Liberty Hall; hollow tile, brick and concrete work, maple flooring, stage hardware and operating equipment, electric equipment, structural steel, acoustical materials, cost about \$60,000; plans and specifications from W. E. Robertson, Const. Engr., 412 Martin Bldg., and seen at office Mr. Escajeda.*

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids Aug. 17 for pipe organ for municipal auditorium under construction; cost about \$40,000.

Tex., Wheeler—Wheeler County, A. C. Wood, Chmn., Commissioners Court, receives bids July 20 for fireproof courthouse; cost \$80,000, 3 stories and basement, 62x116 ft., concrete and terrazzo floors, concrete foundation, composition roof, interior tile, vaults, metal doors, vault lights, steel sash and trim, etc., \$20,000; items to be purchased and trim, wire glass; furnishings, equip., include all furnishings; no date set. Address Mr. Wood; E. H. Eads, Archt., Chickasha, Okla.*

Va., Norfolk—City is remodeling courthouse. Address City Mgr.

W. Va., Clarksburg—Harrison County Court, P. C. Sturm, Pres., considers erecting \$15,000 to \$20,000 fireproof Children's Home.

Dwellings

Ala., Birmingham—Dr. C. C. McLean, Empire Bldg., will erect \$25,000 residence, 2016 Tenth Ave. South.

Ala., Birmingham—A. H. Woodward, 3215 Cliff Rd., will erect \$100,000 residence, Altamont Rd.

Ala., Margerum—John R. Scott, 616 Eastgate Ave., and associates, St. Louis, Mo., reported to erect number employees' dwellings in connection with trection of lime rock asphalt plant to be constructed near Margerum; electric lights, water, etc.

Ala., Opelika—Opelika Development Co., Enel A. Screws, Pres.-Gen. Mgr., plans 100 dwellings in connection with development, N. Tenth St. extension.

Fla., Amelia Beach (Mall Fernandina)—Miss Marie Ryan, 15 Glenada Place, New York, plans Spanish type cottage near Amelia City.

Fla., Arcadia—Arcadia Co-operative Building & Investment Co., incorporated at \$100,000, B. F. Welles, member, will erect 5 dwellings at once and follow with 5 each month.

Fla., Dade City—Jos. A. Barthle will erect \$15,000 residence.

Fla., Fort Lauderdale—Peter Cappel, Pres. Cappel Realty Corp., New York, will erect 41 dwellings during summer, as follows: Six near Coles Ave. Bridge, 4 in Victoria Park; all cost \$5000 each; 4 in Rio Vista, \$6000 each, 21 in Rio Vista Isles and 6 in Riveria, all \$12,000 each.

Fla., Hollywood—H. Emerson Evans plans residence, Lake section.

Fla., Hollywood—O. C. Forbes plans Spanish type residence, Lake section.

Fla., Hollywood—D. R. Jenkins plans residence, Lake section.

Fla., Hollywood—J. M. Kagey plans residence, Lake section.

Fla., Hollywood—Ray F. Koons plans residence, Lake section.

Fla., Hollywood—D. C. Nevin plans residence, Country Club section.

Fla., Hollywood—Merrill Nevin will erect 8 or 9-room Italian type residence, Country Club section.

Fla., Hollywood—Edwin Whitson plans residence, Lake section.

Fla., Jacksonville—Nicholas Von Glahn will erect \$12,000 residence, St. John's Ave., Shadowlawn; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Melbourne—O. L. Bennett will erect residence, Country Club Colony.

Fla., Melbourne—Manley Chestnut will erect residence, Country Club Colony.

Fla., Melbourne—Rex Humphreys will erect residence, Country Club Colony.

Fla., Melbourne—Harry Leinbach will erect residence, Country Club Colony.

Fla., Melbourne—Clarence W. Nelson will erect residence, Country Club Colony.

Fla., Miami—Joel R. Goodley will erect \$14,000 residence, Orchard sub-division.

Fla., Miami—F. T. Justice will erect \$25,000 residence, Nautilus sub-division; 9 rooms.

Fla., Miami Beach—Col. M. H. Bankhead will erect \$14,775 residence, Rivo Alto.

Fla., Miami Beach—E. M. Johnson will erect \$35,000 residence, Beach View sub-division.

Fla., Miami—Jos. Mayer, 335 N. E. 25th St., will erect \$20,000 residence and garage, 326 N. E. 35th Terrace; 2 stories.

Fla., Miami—J. E. Pyles, 459 S. W. Fourth St., will erect 2 cement block dwellings, S. W. 18th Terrace near Miami Ave.; 2 stories, cost \$8500 each.

Fla., Miami—A. W. Chase will erect \$10,000 residence, block 9, Section A, Coral Gables.

Fla., Miami—D. L. Clark, 137 W. 11th Ave., will erect \$10,000 residence, block 18, Section E, Coral Gables.

Fla., Miami—Fred C. Luke, 29 N. W. 14th Ave., will erect \$15,000 residence, 268 S. W. First St.

Fla., Miami—D. Merrill and J. Cook, Ave. Valencia, Coral Gables, will erect \$10,000 residence, block 24, Section B, Coral Gables.

Fla., Miami—E. F. Rowell will erect 2 dwellings, Crawford Ave., Sunshine Vistas; Southern Italian type, concrete and stucco, tile roofs; total cost \$19,000.

Fla., Miami Beach—D. A. Himadi will erect \$12,000 residence, Mid-Golf section.

Fla., Ocala—H. M. Hampton will erect residence and sunken garden near clubhouse under construction, Ocala Highlands.

Fla., Orange Springs—A. E. Thompson, Nome, Alaska, present address Williams Hotel, 153 Magnolia Ave., Daytona, later Orange Springs, plans residence.

Fla., Sarasota—Hoxie Home Building Co. of Maine reported to erect 50 to 75 dwellings; purchased property from Frank H. Gallup for first unit.

Fla., Sarasota—W. M. Strobbridge, 3022 Ready Rd., Cincinnati, O., contemplates erecting residence, McClellan Park.

Fla., St. Petersburg—Alex. Barnett will erect 2 frame dwellings, 15th Ave., near 12th St.; 7 rooms, 2 stories; total cost \$16,000.

Fla., Tampa—Jas. E. Appleby, Director of Sales for Bel-Mar sub-division, 205 S. Newport Ave., will erect \$40,000 residence, Hills Ave. and El Prado Blvd., Bel-Mar; Spanish type; A. H. McCulloh, Archt.

Fla., Tampa—Frank W. Salley will erect Italian type residence near El Prado Blvd. and West Shore Drive, Bel-Mar.

Fla., West Palm Beach—H. C. Arnold will erect \$12,000 residence and garage, Lakewood.

Fla., West Palm Beach—Hi-Mount Improvement Co. will erect 5 dwellings and garages, Northwood Hills; cost \$3500 each.

Fla., Winter Haven—Presbyterian Church plans manse. Address the pastor.

Fla., Winter Haven—D. A. Gilmer will erect \$13,500 residence.

Fla., Winter Haven—Robt. Sands will erect residence; cost about \$10,000.

La., New Orleans—Mrs. E. Parkerson,

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Whitney Central Annex, will erect \$14,400 residence, 5533 Danneel St.

La., New Orleans—Eugene Freeman, 820 Carondelet St., will erect 8 double cottages, Belfast, Monroe and Eagle Sts.; total cost \$24,000.

La., New Orleans—Wm. P. Coats, 1619 Pine St., will erect residence, Crestmont Park, Metairie Ridge.

Md., Baltimore—Wm. H. Roberts, Jr., 3740 Edmondson Ave., will erect 2-story residence, 76 Hunting Rd.; 26x28 ft.

Mo., Clayton (Ind. Branch St. Louis)—L. G. Blackmer will erect \$25,000 brick residence, Ellenwood; 30x50 ft.

Mo., Clayton (Ind. Branch St. Louis)—G. W. Taylor will erect \$50,000 brick residence, Ellenwood; 140x30 ft.

Mo., Clayton (Ind. Branch St. Louis)—Ralph Well will erect \$20,000 brick residence, Skinker Heights; 30x50 ft.

Mo., Clayton (Ind. Branch St. Louis)—G. Weismeyer will erect \$25,000 brick residence, Skinker Heights; 30x55 ft.

Mo., Joplin—W. G. Frome, Webb City, Mo., Atlas Power Co., will erect brick residence, Jaccard Place and N. Sargeant Ave.; drawing plans.

Mo., St. Louis—Mort Levy will erect \$30,000 residence, Ellenwood; 30x60 ft., brick.

N. C., Durham — B. F. Kronheimer, N. Queen St., will erect \$40,500 residence, Milner Ave.

N. C., Durham—Fred L. Smith will erect \$13,000 veneer residence, W. Trinity Ave.; 7 rooms.

Tenn., Memphis—Walnut Grove Land Co., 411 McCall Bldg., will erect number of dwellings within next 60 days in connection with 200-acre development near Memphis.

Tenn., Nashville—Nashville Real Estate Board considers erecting model dwelling.

Tex., Fort Worth—Stonewall Jackson, 906 Lamar St., will erect \$14,500 residence, 3501 Tulsa Way.

Tex., Fort Worth—N. H. Lipscomb, 2228 Harrison St., will erect 6 dwellings, 3728 Modlin, 3741 W. Seventh, 4401-04 Hemphill, 553 Bolt, 4101 Bunting, 3000 Mattison Sts.; total cost \$26,000; also repair 3 dwellings, cost \$1750.

Tex., Fort Worth—W. M. Medcalf, 1414 Washington St., will erect \$25,000 residence, 2520 S. Adams St.

Tex., Fort Worth—E. H. Pope, 1424 S. Henderson St., will erect \$10,000 residence, 2205 Harrison St.

Tex., Fort Worth—Annie Truelove, 109 W. Teuda St., will erect 3 dwellings, 2210-25-2331 Warner Rd.; total cost \$38,500.

Tex., San Antonio—W. J. Tarrence, Gunter Bldg., will erect 80 dwellings, Los Angeles Heights; tile and frame, 4 to 7 rooms; total cost \$280,000.

Tex., San Antonio—L. A. Uhr, 811 Lewis St., plans residence, Rosewood Ave near McCullough Ave.; frame, 6 or 7 rooms, 1 story.

Va., Roanoke—G. C. Tench plans to rebuild residence, Tillett Ave., Grandin Court, noted burned at \$10,000 loss.

Tex., Houston—S. S. Day, 1224 Jackson Blvd., will erect \$10,000 residence and garage, 1726 W. Alabama St.; 7 rooms, brick veneer.

Va., Roanoke—John W. Williams will erect \$10,000 brick-cased residence, 24 Cornwallis Ave., Mountain Park.

Government and State

Ala., Bessemer—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids Aug. 5 for remodeling and enlarging, including incidental changes in mechanical equipment of post office; drawings and specifications from Custodian at site or from office Supervising Archt.

Fla., Dallas—Post Office Dept., Frank E. McMillin, Supt. of Quarters, 1421 20th N. W., Washington, D. C., has option on 2 sites, blocks 13 and 44, and receives bids Aug. 1 from contractors who will erect and lease postoffice quarters; cost about \$600,000.*

Fla., Plant City—City, J. C. Poppel, City Atty., considers calling election on \$260,000 bonds, including bonds for armory.

Fla., West Palm Beach—City, C. A. Bingham, City Mgr., considers financing all or part of armory for Florida National Guard.

Hospitals, Sanitariums, Etc.

Ark., Morrilton—Bishop John B. Morris, 617 Louisiana St., Little Rock, interested in erection of hospital, to be under management of Catholic Sisters.

Fla., Sanford—Seminole County Board of Commrs. donated hospital site; plan to issue bonds to erect hospital.

Ga., Alto—State Board of Health, Joe P. Bowdoin, M. D., Deputy Commr. of Health, has low bid from C. H. Van Ormer, Herald Bldg., Augusta, for \$500,000 fireproof tuberculosis sanatorium; Daniell & Beutell, Archts., 307-09 Healey Bldg., Atlanta.*

Ga., Decatur—Independent Order of Odd Fellows of DeKalb County, Past Grand Master J. E. Bodenheimer, Chmn. Hospital Comm., plan general hospital in DeKalb County.

Ga., Savannah—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids Aug. 5 for remodeling at U. S. Marine Hospital; drawings and specifications from Medical Officer in charge at hospital or from office Supervising Archt.

La., New Orleans—Home for Incurables, Mrs. Jos. Friend, Pres. Board of Directors, will erect \$40,000 annex, 612 Henry Clay Ave.; architect not selected.

Md., Baltimore—Johns Hopkins Hospital, Dr. Winford H. Smith, Director, receives bids July 21 for additional story to 5-story woman's clinic for operating suite; cost \$100,000 to \$125,000; Jos. Evans Sperry, Archt., Calvert Bldg.

N. C., Charlotte—Mecklenburg County Board of Commrs. accepted landscape plans by Leigh Colyer for \$100,000 tuberculosis hospital grounds; building plans by Louis H. Asbury, Realty Bldg., ready in few days; ordinary type, 2 stories, 190x58 ft., composition floors, slate roof, concrete foundation.*

N. C., Durham — Watts Hospital, John Sprunt Hill, Chmn. Board of Trustees, S. Duke St., having plans drawn by Atwood & Nash, Inc., Durham and Chapel Hill, for \$160,000 building west of present structure; 70 beds.*

N. C., Lincoln—Lincoln Hospital, Dr. L. A. Crowell, Pres., will erect 30-room addition; brick, fireproof; brick veneer and fireproof present structure and connect with annex; Louis H. Asbury, Archt., Realty Bldg., Charlotte.

Okla., Vinita—Eastern Oklahoma Hospital for Insane, Dr. F. M. Adams, Supt., probably let contract about Aug. 1 for \$180,000 receiving building, \$35,000 tuberculosis hospital and \$25,000 cold storage plant.*

Tex., Rusk—State Board of Control, S. B. Cowell, Chmn., Austin, receives bids July 22 for fireproof ward building at East Texas Hospital for Insane; 3 stories, 105.8x56.9 ft., cement and tile floors, concrete floors reinforced with steel, built-up composition roof; C. H. Page & Bro., Archts., Austin National Bank Bldg., Austin.*

Va., Winchester—Memorial Hospital, Wm. Beverley, member Fund Campaign, plans to enlarge and improve building.

Hotels and Apartments

Ala., Birmingham—Dr. Seale Harris, Empire Bldg., reported to erect 5-story apartment house in connection with his hospital; 29 two-room suites and 10 single-room apartments; \$414,228; G. L. Miller & Co., Hurt Bldg., Atlanta, Ga.; place \$200,000 bonds.

Ala., Florence—Henry J. Frahn Co. preparing plans for \$125,000 apartment house, Jackson Highway and Times St., to be known as Spanish Oaks Court; Spanish design, tile roof; W. M. Richardson, J. C. Robertson and others interested.

Ark., Little Rock—M. F. Lawng, 4618 T St., erect \$10,000, 2-story, brick veneer apartment building, 610 E. Capitol Ave.

Fla., Arcadia—M. Schlossberg has plans under way for 40-room apartment house, DeSoto Ave.

Fla., Coral Gables—W. A. Kolar plans to erect 36-suite apartment building; plans under way.

Fla., Coral Gables—Dr. George W. LaLiberto has plans by Lewis D. Brumm, Ave. Castile, Coral Gables, for \$65,000, 3-story 28-apartment building, Sevilla St.

Fla., Daytona—Roberts & Krevitz, owners of Fernwood Hotel, Daytona Beach, purchased lease on property occupied by City Hotel, replace with a 6-story hotel.

Fla., Fort Drum—Florida Builders & Investment Co. recently purchased entire townsite; plans to erect 100-room hotel in connection with development.

Fla., Fort Lauderdale—C. S. Dunning has plans in progress by J. M. Peterman for 12-apartment building, W. Fourth St.

Fla., Fort Lauderdale—D. E. Gilmer, Pres. of Fort Lauderdale Engineering Co. announced immediate construction of 2-story, \$40,000, eight 5-room apartment building, Rio Vista Isles.

Fla., Fort Myers—W. O. Sparklin, Archt., preparing plans for 36-apartment building, Henley Place and First St., for Louis Raquet, 5th St. & Central Ave., St. Petersburg.

Fla., Haines City—Development Corporation of Florida, Paul Stanton, Sec., has plans out for bids by Wallick & Rich, Archts., Indianapolis, Ind., for \$500,000, 9-story Hotel Polk; first section to be erected this year contains 77 rooms with 12 store rooms on ground floor; 123-room addition planned later.

Fla., Kissimmee—Joseph Dyson announced plans for \$50,000, 12-apartment building.

Fla., Leesburg—Sirmans-Walker Co. purchased Lake View Hotel, plans alterations and improvements.

Fla., Miami—M. L. Brown, 1069 S. W. 3rd St., erect \$12,000, 2-story, cement block, 4-family apartment and \$2500 garage, S. W. Third St. and 11th Ave.

Fla., Miami—E. B. Gladson, 427 S. W. 8th Ave., erect \$60,000, 3-story, 16-apartment building, 427 S. W. Eighth Ave.; R. A. Preas, Archt.

Fla., Miami—Edward Ettel, 840 S. W. 9th Ave., erect \$125,000, 3-story, 60-room hotel; John H. Sculthorpe, Archt., Townley Bldg.; work to start immediately.

Fla., Miami—Miami Real Estate & Building Co., 38 N. E. Second St., erect \$15,000, 8-apartment house, N. W. 34th Ter.; Kiehnel & Elliot, Archts., Central Arcade.

Fla., Miami—Silberstone Realty Co. erect \$140,000, 3-story, steel and concrete apartment house, N. W. 15th Ave. and Second St.

Fla., Miami—E. D. Sullivan erect \$340,000, 8-story, 98-room Patricia Hotel, Fort Dallas Park; George Nolan, Archt., 1038 Brickhill Ave.

Fla., Miami—J. K. Pearson erect \$70,000, 3-story, tile and concrete, 30-family apartment building, 451 S. W. Sixth St.

Fla., Miami—James S. Powers erect \$40,000, 3-story, cement block, 18-family apartment house, 311-13 S. W. 17th Ave.

Fla., Miami—Louis Seittin, 311 N. E. 11th St., erect \$15,000, 3-story, cement block, 8-family apartment house, 311 N. W. 14th St.

Fla., Miami Beach—J. M. Harris erect \$15,000 apartment house.

Fla., Miami Beach—R. McDavid erect \$35,000, 3-story, concrete block and Spanish stucco apartment house, Michigan Ave.; J. C. Gault, Archt., Real Estate Bldg.

Fla., Orlando—Frank Haitheox will erect 50-room hotel.

Fla., Palm Beach—Florida East Coast Hotel Co., Henry E. Bemis, Vice-Pres., soon have completed plans by Schultze & Weaver, 17 E. 49th St., New York, for \$4,000,000 hotel, replace Breakers Hotel.*

Fla., Palmetto—Country Club Estates, Inc., L. W. King, has plans by J. H. Johnson, soon let contract for 2-story, tile and stucco, 17-unit apartment house; oak floors, electric stoves, steam heat, Murphy beds.

Fla., Pensacola—F. A. Duncombe, Erie, Pa., purchased 500 acres of San Carlos tract; plans development, including 6-room, Spanish type hotel.

Fla., Pensacola—Willmer Hayward, R. H. Turner and Mr. Tourant, committee named to gather data, estimate cost, site, etc., of proposed tourist hotel; \$30,000 subscribed; Max L. Bear, Pres. of Chamber of Commerce, interested.

Fla., Sarasota—Victor Bokus erect \$20,000, 2-story hotel, 12th St. and Central Ave.

Fla., Sarasota—Matthew Dixon erect 36 to 40 three-room and bath apartments, Osprey Ave. near Victory.

Fla., Sarasota—E. C. Silva accepted plans by T. M. Bryan, for \$60,000, 40x150 ft., 16-apartment building, Osprey Ave.; stores on first floor.

Fla., Sarasota—E. A. Smith, Pres. of Sarasota Development Co., erect 32 three-room apartments on property between Kentucky and Curran Sts.

Fla., Sarasota—Harry Rigby plans to erect fourth floor addition to building, Sixth St. and Seaboard Railroad; convert upper floors for apartments.

Fla., Sebastian—Odum & Gober, Fort Pierce, erect 50-room hotel, 2 business buildings and public dock in connection with 30-acre subdivision; hotel between Dixie Highway and Indian River; hollow tile and stucco, 2 stories, Spanish style.

Fla., St. Petersburg—George C. Prather, 2536 W. Central Ave., has plans by Edgar Ferdon, 2501 Third Ave., for \$60,000, 40x100 ft., hollow tile and steel, 3-story building, 133-5-7-9 Central Ave.; tile and hardwood floors, cement foundation, composition roof, hollow tile, interior tile, metal ceilings, ornamental terra cotta; major items to be purchased.

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chased include tile, sash and door, hardware, furnishings and equipment.*

Fla., St. Petersburg—F. Lapalosa erect \$20,000, 2-story, frame, 16-apartment house, 2400 Third Ave., South.

Fla., Tampa—D. C. Gillet, V. P. Citizens Bank & Trust Co., announced plans for \$600,000, 10-story apartment hotel, Crescent Bay and North B St., to be known as The Myelvaron; 78 housekeeping apartments in suites of 1, 2 and 3 rooms, with kitchens and automatic electric refrigeration; 2 high-speed electric elevators; lobby, reception rooms and 8 apartments on main floor; fireproof, concrete, facade of stucco trimmed with art-stone and terra cotta; S. W. Straus & Co., 565 Fifth Ave., New York, underwrote issue of \$350,000 bonds.

Fla., Tampa—Wallace F. Stovall, Pres. of Tribune Publishing Co., announced plans for \$1,500,000, 10-story apartment hotel, Jackson and Pierce Sts., contains 150 suites of 3 rooms each; B. C. Bonfoey, Archt., Petteway Bldg.

Fla., Umatilla—W. Hugh Rowe, Pres. of Rowe Hollywood Gardens Co., Hollywood, conducting campaign for funds for erection of hotel building.

Fla., White Springs—J. S. Blain, 1710 S. Miami Ave., and B. A. Batchelor, Miami, organized \$1,000,000 syndicate, purchased White Springs, erect \$100,000 building around springs and \$300,000 tourist hotel.

Fla., Winter Haven—J. Walker Pope and R. I. Bartin erect \$50,000, 15-apartment building, Briggs St. and First Ave.

Ga., Cornelia—J. W. Jackson has permit for 3-story hotel on site of burned building.

Ga., Savannah—Victor Wernicke purchased lot, Waldburg and Ott Sts., plans to erect 2-story, brick apartment house.

Ky., Danville—C. R. McGaughey backing movement to erect \$400,000, "L" shaped hotel, facing Fourth and Main Sts.; Main St. wing will be storage garage; Fourth St. wing contains stores on first floor, offices on second and hotel rooms on 4 or 5 stories above; H. M. Garriot, Architectural Engr., care Mr. McGaughey.

Ky., Louisville—Consolidated Realty Co., 229 S. Fifth St., C. C. Heatt, Pres., erect \$1,000,000, 300-room family hotel, S. W. cor. Fourth and Kentucky Sts.

La., New Orleans—Albert Hurwitz, 838 Canal St., Victor Hurwitz and Samuel Mintz, 544 Baronne St., purchased property, 134 S. Rampart St.; plan to erect apartment building with stores on first floor.

Mo., Augusta—S. A. Lawrence, Humansville, erect \$18,000 tourist hotel and dance pavilion.

Tex.-Ark., Texarkana—B. L. Ulmer erect \$10,000, four 5-room, brick veneer apartment building, 524 E. Sixth St.

Tex., Fort Worth—Mrs. A. Gale, 609 St. I St., erect \$21,000 apartment house, 2270 Hemphill St.

Tex., Galveston—Crystal Palace Co., care J. K. Jorgensen, increase capital stock to \$1,000,000, contemplates erection of 5 to 12-story Crystal Palace Hotel, 23rd and Beach Sts.

Tex., Houston—N. R. Bolton, 2619 Grant St., erect three \$16,000, brick veneer, 4-apartment buildings with garages, 3925-4001 and 4005 Polk St., Woodleigh Addition.

Tex., Raymondville—Harding-Gill Co. soon receive bids by invitation for \$18,000, 2-story, 50x80 ft., brick, hollow tile and concrete hotel and store building; Morris & Noonan, Archts. & Engrs., Builders Exchange Bldg.

Tex., Waco—A. N. Stansell, 324 N. 11th St., erect \$10,000, 10-room, 2-story, duplex apartment house, 326 N. 16th St.

Va., Portsmouth—L. B. Plummer, Alsace Bldg., erect \$14,000 addition to 4-story, brick apartment house, 303 North St.

Miscellaneous

Ala., Birmingham—Alabama State Fair Corp., R. A. Brown, Pres., Woodward Blvd., plans to erect permanent buildings, concrete grandstand seating 10,000, half-mile race track and amusement concessions.

Ala., Opelika—Opelika Development Co., Enel A. Screws, Pres. & Gen. Mgr., plans to erect clubhouse in connection with development.

Fla., Coral Gables—W. A. Kolar announced plans for \$75,000, 2-story tea house and dance garden; Spanish type, composition floors; H. George Fink, Archt., Congress Bldg., Miami.

Fla., Haines City—Frank Bryson, Masonic

Temple Bldg., erect \$70,000 clubhouse for Haines City Country Club; Franklin O. Adams, Archt., Grand Theater Bldg., Tampa.

Fla., Miami—Garnett & Yocom, care Harry Trattner, 8047 Hamilton St., Detroit, Mich., purchased ocean front property, reported to erect building soon.

Fla., Ocala—Clubhouse—Edwin S. Frash, H. P. McCurdy and Donald McDonald interested in erection of clubhouse.

Fla., Sarasota—John Liapis, Augusta, Ga., purchased Main St. restaurant, expend \$30,000 for remodeling.

Md., Baltimore—Green Spring Valley Hunt Club, John G. Thomas, Pres., Chattolane, purchased 195-acre tract in Western Run Valley, erect additional stables and kennels, reft house for club purposes, renovate present tenant house, etc.

Mo., Springfield—E. M. Whilott has permit for \$100,000 building.

N. C., Elon College—Board of Directors of Christian Orphanage, care Charles D. Johnston, receives bids July 17 for erecting and steam heating dormitory building; Linthicum & Linthicum, Archts., 117 W. Martin St., Raleigh.

N. C., Shelby—Cleveland County Fair Assn., Dr. J. S. Dorton, Sec., soon start remodeling and enlarging stand at fair ground race track and erect box seats.

Tenn., Chattanooga—Chattanooga and Hamilton County Medical Society, Dr. L. T. Stem, Pres., Volunteer Life Bldg., contemplates erecting \$15,000 clubhouse.

Tex., Belton—Belton Club, promoted by Rev. J. Frank Holmes and Rev. R. O. Sory, plans to erect bath and dressing house.

Tex., Dalhart—Dalhart County Club Board of Directors soon call for bids for erecting clubhouse.

Tex., Denton—Building Committee of City Federation of Women's Clubs, Mrs. C. C. Yancey, Gen. Chmn., plans to erect woman's community clubhouse.

W. Va., Kingwood—Country Club organized with Felix Elliott, Pres., construct 18-hole golf course and clubhouse.

Railway Stations, Sheds, Etc.

Fla., Sulphur Springs—Seaboard Air Line Rwy. Co., Charles R. Capps, Vice-Pres., Norfolk, Va., reported to plan erecting new station and storage yards.

Mo., Springfield—St. Louis-San Francisco Railway Co., F. G. Jonah, Ch. Engr., St. Louis, reported to plan erecting new passenger station.

N. C., Raleigh—Station Committee of Chamber of Commerce authorized Lockwood, Greene & Co., Archts. & Engrs., Charlotte, make survey for proposed union station.

W. Va., Morgantown—Baltimore & Ohio Rwy. Co., H. A. Lane, Ch. Engr., Baltimore, Md., reported to erect new passenger station.

Schools

Ala., Gadsden—City voted \$60,000 bonds for \$25,000 school in East Gadsden and \$25,000 annex to Eleventh St. School; address Board of Education.*

Ark., Russellville—Russellville Polytechnic College selected as site for textile school established by last legislature. Address Board of Trustees.

D. C., Washington—District Commissioners, Room 509 District Bldg., receives bids July 28 for 8-room extensible school building, with combination gymnasium and assembly hall at 29th and Calvert Sts., N. W.; and 8-room addition, with combination gymnasium and auditorium for Bell School, Second St., S. W.

Fla., Bagdad—See Fla., Milton.

Fla., Chattahoochee—Gadsden County Board of Public Instruction, Quincy, commissioned Mark & Sheftall, 210 Clark Bldg., Jacksonville, prepare plans for \$25,000 school addition.

Tex., Cisco—School Board, 201 Spencer Bldg., receives bids this week for 6-room and basement school building; R. S. Glenn, Archt.*

Fla., Coral Gables—Dade County Board of Public Instruction, Miami, commissioned H. George Fink, Congress Bldg., prepare plans for first unit of new Junior High School building to cost \$285,000, in Riviera Section; completed group contains 12 buildings and cost \$2,000,000; first unit includes administration building to be used temporarily for classrooms, home economics building and gymnasium; group of buildings constitute first unit of university group.*

Fla., Daytona—Board of Education considering calling \$800,000 bond election for school

expansion; expend \$495,000 for first units of 6 new buildings; balance for additions to buildings as needed.

Fla., Gainesville—Gainesville School District voted \$250,000 bonds for school repairs and enlargement; include manual training shops, gymnasium and auditorium in high school commercial courses and domestic science courses, improved laboratory and library equipment. Address Prof. E. R. Simmons, Supt. Alachua County Board of Public Instruction.

Fla., Holley—See Fla., Milton.

Fla., Milton—Santa Rosa County Board of Public Instruction commissioned Dr. S. J. Welch, Pensacola, prepare plans for \$25,000 grammar school at Milton, \$25,000 school at Bagdad and \$15,000 building at Holley; brick.

Fla., Monticello—Jefferson County Board of Public Instruction soon call bond election for combining several school districts; replace present building with larger structure.

Fla., New Smyrna—School Board has plans in progress by W. J. Carpenter, Deland, plans to let contract in Sept. for \$150,000, 40-room and auditorium, 3-story Junior and Senior High School building; bonds voted.*

Fla., Oneco—Oneco School District voted \$10,000 bonds; \$30,000 available for school improvements.

Fla., Tavares—Lake County Board of Education invited architects submit plans for \$150,000 high school building. Address W. G. Ross, Chmn.*

Fla., West Palm Beach—School District voted \$500,000 school improvement bonds. Address Palm Beach County Board of Public Instruction.

Ga., Sparks—Executive Board of Board of Trustees of Sparks College, Dr. S. C. Etheridge, will launch campaign for \$300,000 for enlargement.

Ga., Yatesville—Board of Education has plans in progress by Wm. J. Chase, 140 Peachtree St., Archt., Atlanta, for \$30,000, brick with stone trim High School building.*

Ky., Covington—School Board contemplates calling election in fall on \$525,000 school improvement bonds.

La., Baton Rouge—Building Committee of East Baton Rouge Parish School Board selected Asia St. property as site for \$400,000 High School building; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans, will proceed with completion of plans.*

La., Monroe—Ouachita Parish School Board voted \$112,000 appropriation for second and third units of High School buildings.

La., Shreveport—School Board has completed plans and specifications by Edward F. Neild, for 2-story, brick, 14 or 16-room negro school building, Murphy St.*

La., Spring Creek—Spring Creek District voted \$12,000 bonds for High School building; address Tangipahoa Parish School Board, Amite.

Md., Annapolis—Anne Arundel County Board of Education erect \$10,000 additions to Eastport and Germantown schools; \$4000 available for new school at Davidsonville; build \$9000 school at Jessup this summer.

Md., Brooklyn (Sta. Baltimore)—St. Rose of Lima Catholic Church, Fourth and Washington Sts., Rev. Leonard Ripple, pastor, will erect school and sisters' home.

Miss., Bay Springs—Jasper County Board of Education erect several school buildings; include structures at Stringer, Antioch and Rose Hill.

Miss., Ripley—Buena Vista Consolidated School District voted \$10,000 bonds for erecting school building and teachers home; address Tiptah County Board of Supervisors, Roy Clayton, Chmn.*

Miss., Rocky Springs—Rocky Springs District voted bonds for erecting consolidated school building; address Claiborne County Board of Education, Port Gibson.

Mo., Joplin—Board of Education call another election on \$750,000 bonds, for building program; bonds recently defeated.*

Mo., Springfield—Board of Education authorized Earl Hawkins & Co., McDaniel Bldg., prepare plans for proposed Bissett School, W. Division St. Road.

N. C., Durham—Durham County Board of Education considering erection of High School building in Bradtown.

N. C., Montreat—Buncombe County Board of Education, W. C. Murphy, Supt., Asheville, receives bids July 20 for 1-room school building in Montreat District, Black Mountain Township; T. E. Davis, Archt., 20½

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Spruce St., Asheville; also 2-room negro school at Weaverville.*

N. C., Pelham—Caswell County Board of Education, J. O. Fitzgerald, Chmn., receives bids this week for addition to Cobb Memorial School; Northup & O'Brien, Archts., Starbuck Bldg., Winston-Salem.

N. C., Raleigh—State College of Agriculture & Engineering Board of Trustees authorized erection of building for Electrical Engineering Department; Hobart Upjohn, Archt.

N. C., Salisbury—Catawba College has completed plans by Percy Bloxam for \$25,000, 2-story, brick and steel frame, 70x100 ft. gymnasium; built-up roof, cement foundation, steel sash and trim, wire glass, cement and maple floors; major items to be purchased include gymnasium equipment, shower and dressing room booths for girls, showers and lockers.*

N. C., Shelby—School Board, George Blanton, contemplates \$200,000 building program.

N. C., Weaverville—See N. C., Montreat.

Okla., Broken Arrow—Board of Education, care Matt Murry, soon have plans by A. J. Love & Co., Lynch Bldg., Tulsa, for \$65,000, 1 and 2-story, brick school building; concrete foundation, asphalt roof, yellow pine floors and finish, metal ceilings, steel sash; bonds voted.*

Okla., El Reno—Board of Education, N. B. Waldo, Clerk, has plans in progress by Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City, for \$125,000 school building; bonds voted.

Okla., Enid—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, soon let contract for \$60,000 ward building at State Institute for Feeble Minded.

Okla., Wewoka—Board of Education contemplates bond election for erecting \$125,000 High School building.

Okla., Shattuck—Board of Education, J. M. Elder, Clerk, soon call for bids for 1-story, 145x266 ft., \$70,000, brick school and City Hall.

Okla., Spavinaw—Board of Education, Herbert Bates, Clerk, selected M. T. Hardin, Muskogee, prepare plans for 4-room school building; bond election soon.

S. C., Estill—Board of Trustees, M. M. Crisolin, Chmn., receives bids July 23 for 2-story, brick school building; plans and specifications may be secured from Scroggs & Ewing, Archts., Lamar Bldg., Augusta, Ga., or Mr. Crisolin.*

S. C., Lancaster—Beaufort District No. 18 issued \$16,000 bonds for consolidated high school building. Address Lancaster County Board of Education.

S. C., Woodruff—Woodruff School District voted this week on \$15,000 bonds for finishing and equipping school building under construction. Address Board of Trustees.*

Tenn., Chattanooga—City made bid through Chamber of Commerce, H. W. Loggley, Sec.-Mgr., for establishment of proposed U. T. A. School of Printing; plans in progress.

Tenn., Covington—City voted \$25,000 bonds for repairs and addition to Byars Hall High School, and purchase of lot for dormitory for High School, which county proposes to erect; address Board of Education.*

Tenn., Franklin—Mayor and Board of Aldermen call election Aug. 8 on \$100,000 school bonds.

Tenn., Jefferson City—Board of Education purchased Newcastle property as site for proposed new High School building.

Tenn., Jonesboro—Town votes Aug. 8 on \$50,000 school bonds; address Board of Education.

Tenn., Linden—Linden Special School District voted \$10,000 bonds toward erection of school building. Address Board of Trustees.

Tenn., Memphis—Shelby County Board of Education authorized additions and improvements, including addition to Ernest Adams School, additional building to Messick School group and gymnasium for Rosemark School; let contracts at once.

Tenn., McMinnville—Mayor and Board of Aldermen call election Aug. 8 on \$200,000 bonds, including \$65,000 for new High School.

Tex., Anton—Board of Education selected the Butler Co., 206 Wilson Bldg., Lubbock and Oil Exchange Bldg., Oklahoma City, Okla., prepare plans for \$50,000, brick and reinforced concrete school building.

Tex., Aubrey—Board of Education, E. L. Angell, Supt., receives bids July 18 for \$30,000 school building; 1 story, 8 rooms and auditorium; C. M. Love & Co., Archts., 304 S. Florence St., Fort Worth.*

Tex., Britton—Board of Education selected C. M. Love & Co., 304 S. Florence St., Fort

Worth, prepare plans for \$15,000, brick and concrete school building.

Tex., Claude—Board of Education opens bids this week for \$18,000, 1-story, tile and stucco, 44x60 ft. school building; Guy A. Carlander, Archt., 15 Massie Bldg., Amarillo.

Tex., Crystal City—Board of Trustees Crystal City Common School District, care E. L. Ready, receives bids July 18 for 1 and 2-story, brick addition to High School building; Henry T. Phelps, Archt., 419 Hicks Bldg., San Antonio.

Tex., Dallas—DeWitt & Lemmon, Archts., 507 S. W. Life Bldg., preparing plans for \$50,000, brick, stone and reinforced concrete, fireproof, 2-story addition to Mount Vernon School; 2 wings 30x56 ft. each.

Tex., Orange—McLewis Common School District voted \$10,000 bonds for 4-room, fireproof school building.

Tex., Pioneer—School Board received bids for \$15,000, 1-story, brick and concrete, 124x92 ft. school building; edge grain flooring, concrete foundation, metal ceilings, plaster board, ventilators; major items to be purchased include: Science equipment, playground equipment, seats, library and opera chairs; address W. H. Collins; A. J. Olson, Archt., Cisco.*

Tex., Quitaque—Board of Education soon receive bids for \$60,000, brick and concrete school building.

Tex., Robstown—Board of Trustees, W. A. Ross, Pres., has plans in progress by Giesecke & Harris, 207 W. Seventh St., Austin, for \$90,000, 2-story, concrete, frame, brick and tile High School building; wood, tile and mastic flooring, built-up roof, concrete foundation, hollow tile, ventilators; cost of equipment and furnishings \$9000.*

Tex., Ropesville—Board of Education contemplates \$50,000 bond election for erecting new school building.

Va., Portsmouth—School Board, F. T. Briggs, Pres., adopted plans by Charles M. Robinson, Archt., Times-Dispatch Bldg., Richmond, for 154x69-ft., 16-room and auditorium school building, in Seventh Ward.

W. Va., Charleston—St. Anthony's Church plans to erect addition to Parochial School; address the pastor.

W. Va., Charles Town—Jefferson County Board of Education, Mrs. Laura M. Thompson, Sec., Kearneysville, receives bids July 17 for new school building at Middleway.

W. Va., Keyser—Potomac State School, Jos. W. Stayman, Pres., will not erect administration building, as legislature failed to make appropriation.*

W. Va., Milton—Grant District defeated \$90,000 bonds; address Cabell County Board of Education, Huntington.*

Stores

Fla., Coral Gables—H. B. Funston erect \$19,400 stores and office building, lot 17 and 18, block 25, section K.

Fla., Dade City—Coleman & Ferguson Co. accepted plans for \$40,000 to \$50,000, hollow tile and brick, 2-story and mezzanine floor, 60x130 ft. building on site of present building, Meridian Ave. and Eighth St.; present building will be converted for warehouse and undertaking parlors.

Fla., Miami—Leo J. Coyle, 307 4th Ave., Pittsburgh, and associates plan to erect 2-story, 50x110 ft. store and office building, S. E. cor. Northeast Second Ave. and Fourth St.; Florida Wrecking Co. razing residence on lot.

Fla., Miami—S. H. Kress & Co., 114 Fifth Ave., New York, advises: Contract for new building not awarded; plans and specifications being prepared by our Architectural Division.

Fla., Nokomis—Albert Blackburn has plans in progress for erection of \$20,000 business block.

Fla., Okeechobee—C. F. Jenkins, Perry, plans to start work in fall on \$20,000, 2-story, brick or tile, 100x115 ft., furniture store, Parrott Ave.; hollow tile.*

Fla., Panama City—Chavers Furniture Co. contemplates erecting store building. (See Machinery Wanted—Concrete Block Machinery, etc.)

Fla., Sarasota—Clark Warren erect 2-story, 50x115 ft., Spanish type store and apartment building, 440 Seventh St.

Fla., Stuart—Babecek Building on Dixie Highway will be remodeled and third story added; \$35,000; address the owner.

Fla., St. Petersburg—Harold Smith, 2401 First Ave. N., erect \$10,000, 2-story addition over building, Central Ave.

Fla., Tampa—United Markets, Buffalo and Nebraska Aves., soon erect building on Ne-

braska Ave., to be occupied by branch of Citizens Bank & Trust Co. and United Markets.

Fla., Vero Beach—Hutchinson, Hill & Young, Inc., erect \$75,000, 2-story building.

Fla., West Palm Beach—E. D. Anthony plans to erect \$10,000 addition and remodeling store building.

Fla., West Palm Beach—North Borough Improvement Corp. has plans by Wm. Manley King for \$40,000, 2-story store and apartment building.

Fla., Winter Garden—Applebaum, Anes & Calvin, Chicago, purchased property on Plant St.; reported to plan business block.

Fla., Winter Park—Greg Murphey erect \$18,000 to \$20,000 business block on E. Park Ave.; stores and offices.

Ga., Valdosta—Mrs. E. M. Devine erect \$30,000, 2-story, brick and concrete business building, Savannah Ave.

Ga., Vidalia—E. L. Meadows plans extensive remodeling of business block, McIntosh St. and Railroad Ave.

Md., Baltimore—Harry E. Gilbert, 2 E. Lexington St., and associates acquired residence, 929 N. Charles St.; convert for business purposes and erect stores on remaining portion of lot.

Miss., Glendora—H. P. Peel reported to rebuild business building burned at \$25,000 loss.

Miss., Jackson—W. J. Clancy has plans in progress by C. H. Lindsey, Lamar Life Bldg., for 2-story, brick trimmed in stone and tile, 5-story buildings, Capitol and Galatin Sts.

Miss., Jackson—Simon Marks, Propr. of The Emporium, make extensive repairs; will not erect new building as planned.

Mo., Kansas City—Diamond Brothers Inc., 115 N. 30th St., New York, have plans by Frederic E. McIlvain, 1001 Orear-Leslie Bldg., for fifth floor addition and rebuilding front with terra cotta and plate glass.

N. C., Charlotte—Col. W. R. Robertson, Piedmont Bldg., soon start work of remodeling building, W. Fourth St., for stores.

N. C., Fallston—Following buildings reported to be rebuilt after \$100,000 fire: Lackey Drug Store owned by Dr. F. H. and R. A. Lackey; J. L. Blanton building; E. H. Lutz general store and warehouse; W. A. Gantt's store.

Tenn., Memphis—E. L. Harrison, Archt., Fidelity Bank Bldg., preparing plans for new front for building, 81 S. Main St., for Kaufman Hats, Inc.

Tex., Hale Center—Dan Gandy plans to erect 2 brick business houses on Cleveland St.; 25x100 ft. each.

Tex., Hale Center—Jeff Ivey plans to erect business building on Clark St.

Tex., San Antonio—Paul Cook, 908½ N. Commerce St., has permit for addition and remodeling building on Park Ave., \$10,000.

Tex., San Antonio—Ralph H. Cameron, Archt., City Natl. Bank Bldg., preparing plans for remodeling store building, Travis and Broadway, to be occupied by Stapleton Music Co.

Va., Abingdon—R. B. Kregar & Brother purchased property adjoining recently burned store on Main St., plan to erect 2-story, brick, 30x100 ft. building.

Theaters

Fla., St. Petersburg—Mrs. Kate Nichols, 140 First St. N., erect \$14,000 open-air theater, First St., North; include 2 stores.

Ky., Pineville—Gaines Theater, recently burned, will be rebuilt immediately; address the Proprietor.

Tenn., Knoxville—Famous Players-Lasky Corp., 485 Fifth Ave., New York, leased property Clinch Ave. and State St.; reported to erect \$2,500,000 combined 12-story office and theater building for Tennessee Enterprises.

Va., Portsmouth—Portsmouth Improvement Co. plans to rebuild Orpheum Theater building.

Warehouses

Fla., Tampa—Florida Mattress Factory, Chestnut & 19th Sts., erect \$22,000 warehouse, Rome Ave.

Fla., Tampa—Lee Terminal & Warehouse Co., J. Edgar Lee, Pres., 4009 N. Lockwood Ave., Chicago, Ill., capitalized at \$350,000, establish storage warehouses.

Fla., Tampa—Tampa Hardware Co., Polk

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

and Pierce Sts., W. C. Thomas, Vice-Pres. and Gen. Mgr., reported to erect 5-story warehouse this summer.

N. C., Durham—Satterfield & Stone Co., care F. G. Satterfield, Mangum, soon let contract for tobacco warehouse, Rigsbee Ave. and Seminary St.

N. C., Fallston—Stamey Co. reported to

plan rebuilding 3 warehouses burned at \$40,000 loss.

Okla., Blackwell—Cliff Savage, County Commissioner of District 3, erect 50x60-ft. sheet-iron warehouse.

Okla., Durant—Sutherland Lumber Co., J. G. Puckett, Mgr., erect \$10,000, brick, 20x50-ft. fireproof warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

La., New Orleans—W. Horace Williams Co., Inc., 7003 St. Charles Ave., has pile foundation contract for \$2,250,000 Masonic Temple; Sam Stone, Jr., Archt., 714 Union St.; James Stewart & Co., Gen. Contr., 408 Pine St., St. Louis; mail chutes, Cutler Mail Chute Co., Rochester, N. Y.; steel, ventilating, oil burning equipment, plumbing and refrigeration lately noted let.*

Tenn., Nashville—Odd Fellows Hall Assn., 119 Seventh Ave. N., let contract to Rock City Construction Co., 154 Fourth Ave., for \$55,000 rear addition to building, Sixth Ave. and Church St.; 4 stories, 44x147 ft., ordinary construction, wood floors, composition roof; Marr & Holman and B. J. Hodge, Archts.; electric passenger elevator, Otis Elevator Co.; electric work not let.*

Bank and Office

Fla., DeLand—Scarlett, Jordan, Futch & Fielding let contract for 2-story office building, site present structure; 142x30 ft., 80-ft. library.

Fla., Hollywood—Nicholas Corp. will erect 3-story arcade, Hollywood Circle, near Dixie Highway; 80x128 ft., 20 stories, 40 offices; Davidson & Rinderman, Archts.; N. Nicholas, Constr. Supervisor, Dover, N. J.

Fla., Miami—Mizner Development Corp., Ponce de Leon Hotel, is remodeling 1-story building, W. Flagler St.; Addison Mizner, Archt., Palm Beach; Thomas Holland Co., Contrs.; office building proposed later to cost about \$1,000,000.*

Fla., Miami—Rand Properties, Columbia Bldg., let contract to Underwood Contracting Corp., Louisiana Bldg., New Orleans and Miami, for \$1,000,000 Huntington Bldg., S. E. Second Ave. and First St.; 13 stories, high speed elevators, running ice water; 10 stores on first floor, 9 and corridor on second, 120 offices above; 2 floors equipped for medical and dental professions; Louis Kamper, Archt., Detroit, Mich.

Fla., Tampa—Christian and Missionary Alliance, Rev. John Minder, pastor, will erect \$30,000 reinforced concrete and stucco Gospel Tabernacle, Jefferson St. and E. Amelia Ave.; 75x110 ft., balcony, 2½ stories, seat 2500 to 3000; construction under supervision of E. H. Zimmerman.

La., New Orleans—Federal Land Bank let contract for \$250,000 building, St. Charles Ave. and St. Joseph St., to Geo. J. Glover Construction Co., Inc., Whitney Bldg.; reinforced concrete and face brick, stone trim, 3 stories, composition roof, steam heating, 2 electric elevators; Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg.*

Md., Towson (Mail Baltimore)—Baltimore County Bank let contract to Wm. H. Sands, E. Pennsylvania Ave., Towson, for fireproof building; 1 story and mezzanine, 70x50 ft., rubble stone, granite, limestone trim, structural steel, slag roof over gypsum tile, composition floors; Geo. Norbury Mackenzie, 3rd, Archt., 5 Guilford Ave., Baltimore.*

Mo., St. Louis—Peoples Finance Corp., 2284 Market St., has \$10,000 permit for footings for 5-story store and office building, 11-17 N. Jefferson St. and 2601-09 Market St.; Widmer Engineering Co., Archt.-Contr., 612 Laclede Gas Bldg.

N. C., Charlotte—Mechanics Perpetual Building & Loan Assn., 225 N. Tryon St., let contract to Blythe & Isenhour for \$20,000 office building, 18 E. Fourth St.; C. C. Hook, 338 S. Church St.*

Tex., Houston—Don Hall, Cotton Exch. Bldg., has contract for \$2,000,000 Medical Arts Bldg., Caroline St. and Walker Ave.; 16 stories, 125x125 ft., 2-story garage in connection; stores on first floor; Sanguinet, Staats, Hedrick & Gottlieb, Archts.; financing through Manford W. Hoover, Sutherland-Barry & Co., Inc., 3339 Carondelet St., New Orleans.

Tex., Houston—Following have contracts for work on Houston-Post Dispatch Bldg. under construction by Don Hall, Cotton Exchange Bldg.: Structural steel, Pennsylvania

Car Co., Second National Bank Bldg.; Shields & Livingston, steel erection, plumbing and heating, Geo. J. Robischung, 1609 Congress Ave.; electric work, Jacobo Brothers Electrical Co., 1014 Prairie Ave.; plastering and lathing, Weiss & Renolds; painting and decorating, B. A. Kelly, 4110 Connor St.; terrazzo floors, American & Venetian Marble Co., 519 Swope Blvd., Kansas City; Sanguinet, Staats, Hedrick & Gottlieb, Archts., Second National Bank Bldg.*

Churches

Ark., Hot Springs National Park—St. Lukes P. E. Church will erect \$77,000 Gothic type building, Spring and Cottage Sts.; gray brick, stone trim; Chas. L. Thompson, Archt., Trust Bldg., Little Rock.

Fla., Fort Lauderdale—Christian Church let contract to Mills & Norton for \$50,000 Spanish type building, Croissant Park; tile and stucco, Cuban tile roof, seat 550; Thos. D. McLaughlin and associates, Archts., Lima, O., and Fort Lauderdale.

Ga., Atlanta—Peachtree Christian Church, Rev. L. O. Bricker, pastor, 1087 Peachtree St. (lately noted First Christian Church), let contract to Collins Co., Bona Allen Bldg., for \$100,000 basement and boiler room unit of \$300,000 building; Chas. H. Hopson, Archt., Healey Bldg.*

Ga., Valdosta—First Baptist Church let contract for \$40,000 building to R. N. McEachren; 2 stories, brick and concrete.*

Ky., Louisville—Third Presbyterian Church, Dr. Jas. T. Gillespie, is erecting \$70,000 Gothic type building.

Miss., Flora—Baptist Church will erect 2-story brick Sunday school annex under supervision of H. P. Chastang, Jackson; N. W. Overstreet, Archt., Overstreet Bldg.*

Mo., St. Louis—Adasa B-Nai Yisroel Congregation will erect \$20,000 temple, 5590 Ridge St.; brick, 2 stories, 55x100 ft., slate roof, steam heat; S. Abraham & Sons Construction Co., Archts.-Contrs., 1123 Chemical Bldg.

N. C., Fuquay Springs—Baptist Church let contract to A. W. Thompson for \$20,000 building; Rev. J. P. Harris, Pastor.*

N. C., Hickory—Queen City Granite & Marble Co., 501 S. Col. St., has limestone contract for \$25,000 brick Sunday school for First Baptist Church; steel, Southern Engineering Co., Dowd Road, both Charlotte; roofing, F. B. Ingold; 3 stories, 46x52 ft., oak and concrete floors, Barrett roof; Q. E. Herman, Archt.*

N. C., Salisbury—South Main Street Methodist Church, D. E. Murphy, Chmn. Bldg. Comm., will erect \$85,000 building, Church and Chestnut Sts., under supervision of E. W. Wagoner; change name to Coburn Memorial Church.*

Okla., Sapulpa—Oklahoma Sash and Door Co., 8 E. Grand St., has millwork contract for \$75,000 First Presbyterian Church; brick, Acme Brick Co., Trades Nat. Bank, both Oklahoma City; stone, Consolidated Cut Stone Co., 1323 E. Fifth St.; steel, Patterson Steel Co., 801 N. Xanthus St., both Tulsa; Clyde H. Woodruff, Archt., 400 Reynolds Bldg., Fort Worth, Tex.; Kreipke-Schafer Co., Hersk Bldg., Oklahoma City.*

Okla., Pawhuska—Osage County Comms. let contract at \$30,300 to Smith & Sanfield for jail addition; 2 stories, 40x60 ft., brick and reinforced concrete, composition or tar and gravel roof; Tonini & Bramblett, Archts., 416½ W. Main St., Oklahoma City.*

Tex., Childress—First Methodist Church let contract at \$49,975 to A. J. Howard & Bro., W. T. Waggoner Bank Bldg., for brick and stone building; 2 stories and basement, 69x119 ft.; heating to Texas Heating & Ventilating Co., 119 Jennings St., \$2280; Wm. C. Meador, Archt., 910 Dan Waggoner Bldg., all Fort Worth.*

Tex., Lamesa—E. B. Thompson has electric wiring contract for \$65,000 Methodist Church under construction by Harvey Allen; plumbing, let; Wm. C. Meador, Archt., Dan Waggoner Bldg., Fort Worth; furnishings,

equipment, etc., \$10,000 to \$15,000; items to be purchased include seats, pews, organ, address Rev. J. W. Watson; address building materials proposals, etc., to Contr.*

City and County

Fla., Panama City—City let contract at \$34,700 to J. R. Asbell for city hall, fire dept. and auditorium building; plumbing and heating, Frank Mosley, \$3500; E. D. Fletcher, Archt., Tallahassee.*

Fla., St. Petersburg—E. I. Locke Co. has contract to remodel city hall; cost about \$16,000.

Tex., Linden—Cass County Commissioners Court, Sam L. Henderson, Judge, let contract at \$17,000 to Southern Steel Co., 4500 S. Presa St., San Antonio, for jail; brick, concrete and steel, 2 stories, 31x28 ft., concrete floors, brick foundation, vaults, steel sash and trim; heating in gen. contract; plans by Contr.; items to be purchased include brick, cement and steel.*

Va., Whittemell—Methodist Episcopal Church South, Rev. Ralph J. Yow, Pastor, let contract at \$15,000 to Cassida & Aheron, Danville, for brick church and Sunday school building; 2 stories, 40x60 ft. and 30x60 ft., pine floors, bituminous shingle roof; steam heating \$1000, Fitzgerald Co., Danville; building material let; items to be purchased include pulpit furniture, pews, tables, blackboards, classroom chairs, total cost \$2000; address Mrs. F. C. Beverly, Chmn. Bldg. Comm.; Heard & Chesterman, Archts., Peoples National Bank Bldg., Lynchburg, and Masonic Temple Bldg., Danville.*

Dwellings

Fla., Arcadia—McRorie-Rowland Co., subsidiary of Melton-Rodgers Co., started work on 3 Spanish type stucco bungalows, Rio Vista; H. D. Mendenhall, Archt., Lakeland and Arcadia.

Fla., Arcadia—Miss Geneva Highsmith is erecting 7-room Spanish type stucco bungalow, Magnolia St.

Fla., Arcadia—McRorie-Rowland Co. is erecting 4 Spanish type stucco bungalows, Rio Vista.

Fla., Daytona—B. H. Koons has started work on second of 6 or more Spanish type dwellings, Daytona Highlands; Wilson & Weimeister, Archts.-Contrs. for several.

Fla., Hollywood—L. S. Rankin is erecting residence, Hollywood Heights.

Fla., Hollywood—C. W. Sammons has started work on \$30,000 residence, Lake section.

Fla., Jacksonville—A. O. Jenkins, 904 E. 11th St., has started work on \$20,000 residence, McGirt's Creek, Ortega; Mark & Sheftall, Archts., 210 Clark Bldg.

Fla., Miami—Dwight P. Cutler will erect \$38,000 residence, Oceanview; Chas. F. McKenzie, Contr.

Fla., Miami—H. B. Nelson Construction Co. will erect 2 dwellings, Granada section, Coral Gables; 2 stories, cost \$8000 each.

Fla., Miami—J. W. Ricketts, Pres., Coral Gables, Coral Gables Construction Co., will erect 2 additional dwellings, Granada section, Coral Gables; Spanish bungalow type, cost about \$12,000 each.

Fla., Miami Beach—Carl G. Fisher Properties are erecting 6 dwellings, La Gorce-Golf subdivision; soon start work on additional dwelling.

Fla., Miami Beach—J. W. Fitzgerald, 24 N. 39th St., Savannah, Ga., will erect \$15,000 dwelling, 4429 N. Meridian Ave., Nautilus subdivision; Borg & Roller, Contrs., Miami.

Fla., Orlando—W. M. Slemons, 334 N. Orange St., let contract to A. B. Todd for 2-story frame residence, Anderson St.; L-shape, cost about \$10,000; Geo. E. Krug, Archt., 541 Hillcrest Ave.*

Fla., Sarasota—John Mapes, Contr., White Plains, N. Y., will erect residence, Siesta Beach; also erect several additional dwellings.

Fla., Sarasota—Wm. Prentice is erecting several dwellings, Valencia Terrace.

Fla., Sarasota—Capt. Clarence Roberts let contract to C. J. Knighton for residence, Siesta Key.

Fla., Stuart—R. J. Bell Realty Co. has started work on 20 dwellings, Dixie Highway; plan additional dwellings.

Fla., Vero Beach—R. H. Kearns has started work on bungalow, Palm Ave., Rosedale subdivision, East Vero Beach.

La., New Orleans—Eureka Homestead Society, 451 Camp St., will erect 2 buildings,

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Calhoun St. and St. Charles Ave.; total cost \$27,000; Denis & Handy, Contrs., Perdido Bldg.

La., New Orleans—Mrs. Neff, 1628 Polymnia St., let contract at \$13,525 to B. N. Dagorett, 6958 St. Peters St., for 1-story frame and tile residence, 1082 City Park Ave.; Sol Rosenthal, Archt., Balter Bldg.

La., New Orleans—E. W. Ullrich Glass Co., 808 Baronne St., receiving sub-bids for residence, 4318-20 Howard St., for Mrs. E. Malochee, and residence, Esplanade Ave., for Mrs. Brisolara.

La., New Orleans—N. Ascani, 3709 Dumaine St., will erect duplex, Wilson Drive and Orleans St. and 1 on Harding Drive; receiving sub-bids on plastering, sheet-metal work and painting.

La., New Orleans—Reliance Homestead Assn. or Chas. E. House, 425 Pacific Ave., will erect \$10,000 English type duplex, Delgado Drive and Picheloup Place; E. J. Stewart & Co., Contrs., 313 St. Charles St.

La., New Orleans—H. H. Hendricks, 5931 Constance St., will erect 13 double cottages, Bloomingdale Court; total cost \$13,600; A. F. Peterson, Contr., 5931 Constance St.

La., New Orleans—John A. Palfrey, 2800 Dante St., plans double cottage, 1913-15 Eagle St.; sub-bids in about 30 days; now receiving sub-bids on plastering, painting and slate roofing work on double cottage under construction, Broad St. near Erato St.

Md., Baltimore—City Real Estate Co., 11 E. Fayette St., will erect 10 frame dwellings, S. E. and N. E. cors. Morton and Norwood Rds.; 1½ stories, 26x31 ft.; total cost \$30,000; owner builds.

Md., Baltimore—Gary Construction Co., 46 Mallow Hill Rd., will erect 6 frame dwellings, Mallow Hill Rd., near North Bend Rd.; total cost \$18,000; Fredk. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Geo. H. Keseling, 4107 Ridgewood Rd., will erect 3 frame dwellings, Oakford Ave., near Oregon Ave.; 1½ stories, 28x30 ft.; total cost \$12,000; plans and construction by owner.

Md., Baltimore—Chas. Herbold & Sons, 2768 W. North Ave., is erecting number of dwellings, Windsor Mill Rd. and Lynchardt St.; stone and frame, 2 stories, 24x2 ft., hardwood and pine floors, asphalt shingle roofs; heating, lighting and plumbing not let; Fredk. E. Beall, Archt., 306 St. Paul St.; owner builds.*

Md., Baltimore—Geo. W. Chapman, 327 E. 22nd St., will erect \$15,000 stucco residence, Tilbury Way near St. Dunstan's Rd.; 33x33 ft., 2 stories; owner builds.

Md., Baltimore—David Goodfriend, 4301 Pimlico Rd., will erect \$10,000 frame residence, 4000 Carlisle Ave.; 2 stories, 40x38 ft.; owner builds.

Md., Baltimore—Younger & Riddle, 4417 Meriwent Ave., will erect \$10,000 dwelling, 4501 Meriwent Ave.; 2 stories, 28x44 ft., frame; plans and construction by owners.

Md., Baltimore—N. C. Sibley & Co., 402 St. Paul St., will erect 6 frame dwellings, Wesley Ave. near Exeter St. and 2 St. George Ave. near Woodbourne Ave.; 2 stories; total cost about \$30,000; plans and construction by owner.

Md., Baltimore—Jas. F. Cole, 2108 Boston St., will erect \$10,000 cottage and garage, N. side Overhill Rd. E. of Keswick Rd.; 2½ stories, 59x34 ft. and 20x19 ft., slate roofs, hot water heat; J. S. Downing, Archt.-Contr., 2609 Greenmount Ave.*

Md., Baltimore—Chas. R. Pettis will erect \$12,500 residence and garage, N. E. cor. Cedarcroft Rd. and Oak Lane; frame, 2½ stories, 27x35 ft. and 19x19 ft., slate roofs, hot water heat; O. D. Hampson, Archt., 5702 Bellona Ave.; Mutual Construction Co., Contr.

Md., Baltimore—Robt. Soff, 231 St. Paul St., will erect 40 porch-front dwellings, W. side Gilmer St. near Baker St.; brick, 6 rooms and bath; total cost about \$150,000; Geo. Smith, Archt., 231 St. Paul St.

Md., Baltimore—Lee P. Flynn, 2578 Hollins St., will erect 7 frame dwellings, N. E. cor. Garrison Lane and Hollins St.; 2 stories, 16x30 ft. and 17x30 ft., slag roofs, hot air heat; total cost \$14,000; A. C. Radziszewski, Archt., Kulekbocker Bldg.; owner builds.

Md., Baltimore—W. J. T. French, 4800 Liberty Heights Ave., will erect \$12,000 dwelling and garage, 4513 Kathland Ave.; 32x52 ft.; Milton Ruark, 4600 Springdale Ave., Archt.; owner builds.

Md., Baltimore—Thos. S. Hauck, Duke-land Court Apts., will erect \$19,000 residence and garage, W. side Charles Street Ave. near

Wyndhurst Ave.; 2 stories, brick; John Lindner, Archt.-Contr., 714 N. Howard St.

Md., Baltimore—Loyola Construction Co., 2600 Loyola Hts. Ave., will erect 17 brick dwellings, Park Heights Terrace; 22x35 ft., 10 x 19-ft. garages, 2 stories; total cost \$75,000; owner builds.

Md., Curtis Bay (Station Baltimore)—Jasper D. Ogden, Equitable Bldg., Baltimore, will erect 12 brick dwellings, S. E. cor. Fairview and Patapsco Aves.; 2 stories; total cost about \$36,000; owner builds.

Mo., Clayton—U. V. Dunbar, 5501 Bartmer St., will erect \$10,000 brick residence, Block B, Wydown Forest; 30x27 ft.; Corrubia & Henderson, Archts., Arcade Bldg.; Wm. H. Cunliff, Contr., 410 N. Euclid Blvd., both St. Louis.

Mo., Clayton (Ind. Branch St. Louis)—T. C. Tiepper will erect \$10,000 brick residence, block A, Wydown Terrace; R. C. Hall, Archt., Chemical Bldg.; Chas. Wilcox Construction Co., Contr., both St. Louis.*

Mo., St. Louis—Jones Brothers Construction Co., 5549 Wells St., will erect 2 brick dwellings, 4883-87 Bessie St.; 2 stories, 27x36 ft., asphalt roof, hot air heating; total cost \$10,000; J. W. Jones, Archt., 4982 Thekla St.; owner builds.

Mo., St. Louis—Tony Hurleman, 3109 S. Grand St., has contracts for 19 brick bungalows.

N. C., Wilmington—Thos. O'Berry, 13 Grace St., has lumber contract for 27 dwellings to be erected by Carolina Beach, Inc., at Carolina Beach; L. T. Rodgers, Seagate, has contract for 6.*

S. C., Great Falls—Great Falls Power Co. (Southern Power Co., Charlotte, N. C.), let contract to Rock Hill Lumber Co., Rock Hill, for 10 employees' cottages; eight 5 rooms, two 6 rooms, 1 story, common brick underpinning, frame, composition roof, interior plastering; plumbing, painting and wiring in general contract.

Tenn., Knoxville—Eugene C. Fretz, 1804 Lake St., has started work on \$10,000 residence, White Ave.; 7 rooms, brick.

Tenn., Knoxville—Mrs. Edith L. Brown will erect 6-room frame residence, Hillvale; cost about \$10,000; Weaver & McGill, Contrs., 425 W. Clinch Ave.

Tenn., Memphis—Mrs. Lucille H. Owings, 1792 Autumn St., is erecting \$12,000 residence, Hawthorne St.; English type, field stone, brick and stucco, 2 baths; Estes W. Mann, Archt., Madison Ave. Bldg.

Tenn., Memphis—South, Whitten & Haley, Central Bank Bldg., will erect \$5000 dwelling, 795 N. Willett St., and \$10,000 dwelling, 1506 Vance St.; brick veneer, 5 and 9 rooms.

Tex., Dallas—Will Garonzik, 422 Wilson Bldg., let contract at \$24,300 to J. S. Nesbit, 310 Deere Bldg., for English type residence; brick veneer, 2 stories, 47x63 ft.; steam heating, Dallas Heating & Ventilating Co., Alamo St., \$1450; plumbing and wiring in general contract.

Tex., Galveston—John Focke, 1627 E. St., will erect \$30,000 residence, Avenue G14 near 26th St.; 2 stories, 12 rooms, 3 baths, hollow tile and brick; Johnson Bros., Contrs., 3526 P14 St.

Tex., Galveston—Jos. Swift, 2606 K. St., will erect \$12,000 residence, Avenue N and 25th St.; 10 rooms, hollow tile; R. Schurwon, Contr., 5120 R St.

Tex., Greenville—Guy Thompson will erect residence, W. Cornelia St.; M. O. Leggett, Contr.

Tex., Houston—John F. Staub, Union National Bank Bldg., drew plans for exhibition dwelling, Chevy Chase Drive near River Oaks Blvd., River Oaks; 2 baths; Thos. M. Murray, Contr., Second National Bank Bldg.

Tex., Houston—S. S. Day, 1224 Jackson Blvd., will erect \$10,000, brick veneer residence, 7 rooms, 1726 W. Alabama St.; Otto Baring Contr.

Tex., Houston—Lucien R. Carroll, 201 Avondale Ave., let contract for \$30,000 residence, Inwood Drive, River Oaks Country Club.

Tex., Houston—John H. Kirby, 2006 Smith St., will rebuild residence in English type; cost about \$119,000; Jas. Ruskin Bailey, Archt., 6 Waverly Drive; S. E. Douthitt, Contr., 4001 San Jacinto St.; roofing, Jesse Maddox, 1116 North Main St.; painting, R. B. Salter, 1116 N. Main St.; plaster and ornamental work, W. E. Humphreys, Jr., 410 W. Main St.

Tx., San Antonio—L. S. Busby, Contr., 234 E. Pennsylvania St., will erect 9 dwellings, 1700 block Summit Ave.; frame and stucco; total cost \$67,500.

Va., Richmond—W. B. Gregory, Washing-

ton, D. C., let contract for building, Bryan Pkwy.

W. Va., Clarksburg—Wallace B. Gribble, Bentley Apts., let contract to A. L. Shrum & Co. for \$15,000 residence, 351 Buckhannon St.; 8 rooms, brick; Carrollton C. Wood, Archt., Lowndes Bldg.; foundation completed.

W. Va., Clarksburg—Franch Thomas, 112 Chapel St., has completed foundation for \$13,000 residence, Park Blvd.; 6 rooms, brick; Chas. T. Stealey, Contr.

W. Va., Seth—Coal River Collieries Co. let contract at about \$35,000 to Minter Homes Co., Huntington, for 25 miners' houses.

Government and State

Fla., Canal Point—Department of Agriculture, Washington, D. C., let contract at \$14,099 to S. J. Tribodeaux for supt.'s cottage and laboratory building.*

Fla., Gulfport—W. O. Brooks, Postmaster, will erect 2-story frame and stucco building; post office and stores on first floor, Mr. Brooks' living quarters above.

Hospitals, Sanitariums, Etc.

Mo., Springfield—Green County let contract for brick work on hospital addition to W. J. Gear, 1200 W. Mt. Vernon St.; material by owner.

Okla., Enid—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, let contract for \$13,000 fireproof brick addition to hospital at State Institute for Feeble-Minded.

Hotels and Apartments

Fla., Bradenton—H. G. Hullinger, Contr., erect \$20,000, 2-story and basement, hollow tile and stucco, 8-family apartment house, Ohio Ave.; J. H. Johnson, Archt.

Fla., Coral Gables—C. B. Stearns let contract to J. Y. Gooch Construction Co. for first unit of apartment building, Toledo St. and Avenue Seville; \$200,000, 17 apartments of from 3 to 5 rooms each, 68x224 ft., reception and lounging rooms on first floor, 3 stories; Hampton & Ehman, Archts., Congress Bldg.

Fla., Eau Gallie—Brutus Corp. let contract to J. M. Jenkins for \$35,000, Spanish type, 8-apartment building, Pineapple Ave.; garages in rear.

Fla., Gainesville—White House Hotel, Ogden Chadwick, Mgr., let contract to J. S. Edenfield, for \$40,000 improvements, including installation of sprinkler system, addition of 8 rooms with bath; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.

Fla., Hollywood—Guy Wachstetter started work on apartment building; contain living room, bedroom, breakfast room, kitchen and bath; 2 garage apartments in rear.

Fla., Jacksonville—Mr. and Mrs. W. W. Lyons let contract to J. C. Pritchard, St. Johns Park, for stucco and hollow tile, Spanish type, \$30,000 hotel, S. E. cor. St. Johns Ave. and Oak St.; 30 rooms each with bath; present residence on property will be extensively remodeled as hotel unit; Jefferson Powell, Professional Bldg., Archt.

Fla., Melbourne—Mrs. E. A. Bailey erect \$30,000, tile and stucco apartment building, McQuaid St.; A. K. Johnson, Builder; W. M. Christen, Archt.

Fla., Miami—Fred T. Ley & Co., Contrs., 19 W. 4th St., New York and 28 E. Flager St., Miami, soon start work on 200-room Waterloo Hotel in Nassau; Gregory B. Webb, Archt., 469 5th Ave., New York.

Fla., Miami Beach—N. B. T. Roney, 426 Collins Ave., has permit for \$114,000 garage and servant quarters at \$2,000,000, 9-story, 300-guest room Roney Plaza Hotel, ocean front at 23rd St.; George A. Fuller Co., Contrs., Central Arcade Bldg., Miami; Schultze & Weaver, Archts., 17 E. 49th St., New York; Robert A. Taylor, Asso. Archt., 34 N. Bayshore Drive, Miami; Hinton-Douglas Studio, 1837 N. E. Third Ave., has contract for interior decorating.*

Fla., Nokomis—Trask & Son erecting 3 apartment buildings.

Fla., Pass-a-Grille—Thomas J. Rowe Corp. erecting \$1,000,000, 8-story, reinforced concrete, Persian architecture hotel Don Ce-Sar; 210 guest rooms, 100 employees' rooms, 100 additional bathrooms for golf and pool bath-ers; combination Roman plunge, promenade and fishing pier in Gulf of Mexico; Henry H. Du Pont, Archt., 514 Hall Bldg.; Carlton W. Beard, Builder, 46 15th Ave. S.; all St. Petersburg.

Fla., St. Petersburg—Mrs. E. V. Sines let contract to Fisher Construction Co. for 80x40-ft. Colonial stucco building, Fourth Ave.,

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South and Palm Court; 6 store rooms and 24 hotel rooms; Henry Kohler, Archt.

Fla., Tampa—City Commission, W. Lesley Brown, City Mgr., let following contracts for renovation and improvement of Tampa Bay Hotel: B. F. Walker & Son, Knight Bldg., general, at \$68,664; W. E. McAndrews, 213 S. Franklin St., plumbing, \$47,586; H. A. VanBorsum Co., 5704 Central Ave., heating, \$15,790; Monroe Electric Co., 208 Cass St., electric work, \$18,586; Otis Elevator Co., 210 Cass St., elevator, \$8000; B. F. Walker, painting, \$17,000; Fred J. James, Archt., Citizens Bank Bldg.*

Fla., West Palm Beach—Victoria Trust Co. let contract to H. L. Reynolds Co., Inc., at \$120,000, for 3-story, 50x115 ft., hollow tile apartment house; Johns-Manville roof, hardwood and tile floors, concrete foundation; Chambers Electric Co., 13th St. and Dixie Highway, electrical work; Using Plumbing, plumbing; A. E. Nutter, Archt.; all 306 Guaranty Bldg.

Fla., West Palm Beach—Alliance Realty Co., William Harding, Pres., Box 333, Palm Beach let contract to Ray W. Sheldon Co., at \$275,000, for 3-story, brick and stucco, 100x153 ft. with 50x150-ft. wing, 175-room Hotel Monterey, Clematis Ave. and Sapodilla St.; Spanish architecture, wood and tile floors, cement foundation, Spanish tile and built-up flat roof, hollow tile, interior tile, metal doors, ventilators, wire glass, steel sash and trim; major items to be purchased include: carpets or rugs, beds and bedding; William Manly King, Archt.; Kenneth M. Campbell, Asso. Archt. (See Machinery Wanted—Elevators.)

Ga., Augusta—Onward Bates erect \$11,400 addition to 4 rooms with 2 halls and 3 baths, 934 Johns Road; C. B. Holley Contr., 1810 Walton Way.

La., Natchitoches—J. L. Johnson, owner of Nakotosh Hotel, let contract to McConnell & McConnell, 402 Ricon-Brewster Bldg., Shreveport, for \$75,000, 173x80 ft., brick, 1-story addition; composition shingle roof, pine floors, plaster board; Fitzgerald Plumbing Co., 941 Louisiana Ave., heating and plumbing; 1 passenger elevator not purchased; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., both Shreveport.*

Mo., Clayton (Ind. Sta. St. Louis)—John W. Quinn, 7053 Forsyth Blvd., erect two \$8000, 23x49 ft., 2-family flats and two \$16,000, 45x50 ft., 2-family flats; Charles L. Thurstr, Archt.; owner builds.

Mo., Poplar Bluff—Judson Price, owner of Commercial Hotel on Broadway, rebuilding; to be used as machine shop and apartment house; \$20,000.

Mo., St. Louis—H. Althoff, 3834 Michigan St., erect \$10,000, 28x51 ft., 2-story, brick tenement, 3683 Wilmington St.; slate roof, hot water heat; F. Wehrle, Archt. & Builder, 3661 Utah Place.

Mo., St. Louis—J. Boxerman, 314 Central Natl. Bank Bldg., let contract to Pomeroy Construction Co., 215 Title Guaranty Bldg., for \$10,000, 2-story, brick, 34x50 ft. tenement, 2031-3 California St.; composition and tile roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—Sherman Realty Co., 312 Calumet Bldg., let contract to B. J. Charleville Realty Co., 312 Calumet Bldg., for \$28,000, 3-story, brick, 50x68 ft. store and tenement, 804-6-8 Hamilton and 5899 Clemens St.; composition roof, furnace heat; R. O. Conzelman, Archt., 312 Calumet Bldg.

Mo., St. Louis—H. W. Simon, 4569 Athlone St., erect two \$9000, 2-story, brick, 33x55 ft. tenements, 4028-30 and 24-26 Marcus St.; tar and gravel roof, steam heat; H. C. Simon, Archt. & Builder, 4446 Floriss Place.

Mo., St. Louis—F. Slobright let contract to C. McCorkell, 624 Chestnut St., for two \$10,000, 2-story, brick, 34x50 ft. tenements, 4917-21 Theodosia St.; tile roofs, hot air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—F. Hemker, Virginia Ave., let contract to J. Birkenmeyer, Meramec St., for \$10,000, 2-story, brick, 27x44 ft. tenement, 3449 Klock St.; slate roof, hot water heat; A. F. Stauder, Archt., 6032 S. Kings-highway.

Mo., St. Louis—F. Hoffmeyer, 2006 Harris St., erect \$10,000 47x38 ft., 2-story, brick tenement, 1903 Linden St.; composition roof, hot air heat; owner builds.

Mo., St. Louis—Y. Milo, 4916 Robert St., let contract to H. Theln, 2308 Cherokee St., for \$10,000, 2-story, brick, 41x46 ft., tenement, 4916-8 Robert St.; gravel roof, furnace heat; M. Schoenburg, Archt., 3631 Connecticut St.

Mo., St. Louis—J. M. Steele Construction Co., 702 Chestnut St., erect three \$13,500,

2-story, brick flats, Bellevue Square, Richmond Heights; 34x56 ft.; owner builds.

Tenn., Memphis—Mrs. Marie C. Mann started work on English style, \$25,000, duplex apartment house, Central Ave.; Estes W. Mann, Archt., Madison Ave. Bldg.

Tex., Dallas—James S. Miller let contract to Miller Construction Co. for 13 duplex apartment houses on Cedar Springs Road in Perry Heights; 66x50 ft., brick veneer, English design; Builders Lumber & Loan Co., 310 S. Carroll St., material; Investment Finance Corp., Magnolia Bldg., making loans; private plans.*

Tex., Houston—C. M. Bates let contract to O. E. Reid and H. S. Bates for \$12,000, 2-story, brick veneer, 4-apartment building, 1302 W. Bell Ave.

Tex., Houston—Mrs. R. F. Evans, 729 Woodland Ave., let contract to A. E. Olsen & Brother, 1021 W. Gray St., for \$10,000, 2-story, brick veneer, 4-apartment building and garage, 515 W. Gray Ave.*

Tex., Lubbock—John Gelin, Contr., erecting hollow tile finished in stucco and plaster dormitory for girls, 15th St. and Tech Ave., considering erection of 1 or 2 more buildings.

Tex., San Antonio—S. K. Jeffers and wife, Frances H. Jeffers, 1 Bushnell Place, let contract to General Contracting Co., 607 Nogalitos St., for Hotel St. Frances and St. Frances Apartment Hotel, Avenue E and Third St.; hotel—12 stories and basement, \$1,250,000, including furnishings; apartment hotel—\$600,000, 12 stories and basement, 126 apartment hotel units; Henry T. Phelps, Archt., Hicks Bldg.*

Miscellaneous

Md., Baltimore—Baltimore Monthly Meeting of Friends, Henry R. Sharples, Clerk, Munsey Bldg., let contract to T. Bresnan & Sons, 2018 W. North Ave., for 3 athletic clubhouses; one 60x45, two 15x45 ft.; Edward L. Palmer, Archt., 513 N. Charles St.

Tenn., Morristown—Club House, Inc., let contract to M. C. Caldwell for renovations and improvements to residence.

Tenn., Shelbyville—Shelby County Country Club, Mr. Miller, Pres., erecting clubhouse.

Railway Stations, Sheds, Etc.

Ark., Hoxie—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., 1055 Rwy. Exchange Bldg., St. Louis, Mo., and St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis, let contract to J. H. Leveck & Son, for union station.*

Schools

Ala., Akron—Hale County Board of Education, Greensboro, let contract for \$25,000, 8-room High School building.

Ala., Birmingham—Birmingham-Southern College, Guy E. Snavey, Pres., let contract to Holly & Davis, 4401 Comm. Ave., for \$75,000, 2-story and basement, brick Students' Activity Building; Pate Heating & Plumbing Co., 2017 Fourth Ave., heating and plumbing; Miller & Martin, Archts., Title Bldg.*

Ala., Sulligent—State of Alabama let contract to J. C. Stone, at \$13,650, for 1-story, brick veneer, 2-room and auditorium school annex; pine floors, concrete foundation, composition roof; major items to be purchased include heating system and seating, address W. D. Newman; Plans by State Educational Dept., Montgomery; A. U. Hollis, Mayor.*

D. C., Washington—Board of Education, Ernest Greenwood, Vice-Pres., let contract to Standard Engineering Co., 2129 "I" St. N. W., at \$42,600, for installing steam heating plants in Tyler, Banneker, Carberry, Madison, Briggs, Ambush, Jackson and Corcoran schools.

Fla., Fort Lauderdale—Broward County Board of Public Instruction let contract to Mills & Norton, at \$29,155, for Oakland Park School, and at \$75,845, for Central High School addition; Hart & Johnson, addition to West Side school at \$25,688; Thomas D. McLaughlin & Asso., Archts., Lima, Ohio and Fort Lauderdale.*

Fla., Fort Meade—Polk County Board of Public Instruction let contract to W. C. Robertson & Co., both Bartow, at \$45,000, for new brick school building.*

Fla., Winter Haven—Polk County Board of Public Instruction, Bartow, let contract to Marshall & Jackson, Lakeland, at \$161,143, for 3-story, tile, brick and stone High School building, and at \$4890 for reconstructing front of present High School; F. H. Trimble, Archt., 117 N. Main St., Orlando.*

Ga., Waycross—Board of Education, A. G. Miller, Sec., let contract to J. T. Darling, at \$30,997, for 2 ward schools; to V. C. Parker, at \$28,000, for addition to Central High School; C. C. Parker, Jr., has contract, at \$4000, for enlargement of Gilchrist Park School.*

La., Lafayette—Lafayette Parish School Board let contract to Knapp & East, Kaufman Bldg., Lake Charles, at \$63,919 for North Side Grammar school; Escudier Bros., plumbing and heating at \$7655; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., let contract to P. C. Street Engineering Co., 406 St. Paul St., at \$93,000 for auditorium-gymnasium building as part of group of Roland Park Elementary School, for which they have contract.*

Miss., Derma—Board of Trustees let contract to A. J. Tighman & Son for \$20,000, brick, 1-story school building to be known as Calhoun County Agricultural School; 10 classrooms, 2 offices and auditorium 60x94 ft.

Miss., Monticello—Lawrence County Board of Education let contract to W. W. Easley, Magnolia, at \$33,020, for Monticello Consolidated school; N. W. Overstreet, Archt., Overstreet Bldg., Jackson.*

Miss., Pontotoc—Chickasha College started work on \$15,000, 2-story, brick dormitory for boys.

Mo., Springfield—Board of Directors Gulf School, William F. Thompson, let contract to Pauly Construction Co., Land Bank Bldg., for addition; J. D. Manley Heating Co., 514 College St., heating.

Mo., St. Louis—Tau Tau Chapter of Sigma Chi Fraternity Building Assn., Daniel A. Rueben, Pres., let contract to Woermann Construction Co., Syndicate Trust Bldg., for \$40,000, 3-story and basement, brick with stone trim Chapter House on Washington University campus; Jamieson & Spear, Arcade Bldg., Archts.

N. C., Charlotte—School Board, H. P. Harding, Supt., let following contracts for equipment for Seversville, Dilworth, Elizabeth, Piedmont Junior High, Fairview and Cherrytown schools, cost about \$75,000: 700 lockers, Berger Manufacturing Co.; 500 chairs, Parker-Gardner Co., 16 N. Trade St.; manual training machinery, Charlotte Supply Co., 20 E. Fourth St.; cafeteria counter, Cotton Belt Candy Co., 208 N. First St.; cafeteria tables, Southern Desk Co., Hickory; cafeteria range and hood, dish washer, dish tables, compartment sink, Smith Wadsworth Co., 428 S. Tryon St.; water cooler, Van Range Co.; laboratory and domestic science equipment, Kewanee Co., 135 Brevard St.; 11 manual training tables, Leonard Peterson Co.; domestic science tables, E. H. Sheldon Co.; first grade tables, Southern Desk Co.; ungraded room equipment, R. T. Mauney; 3 maple tables for cafeteria, kitchen, cook table.*

Okla., El Reno—Sacred Heart R. C. Congregation let contract to Peltier & Fitzgibbons for \$16,000, 2-story and basement, 30x50 ft., brick and stone parochial school addition; Monnott & Reid, Archts., Empire Bldg., both Oklahoma City.

Okla., Goodwell—W. S. Bellows, Hersk Bldg., Oklahoma City, has contract for new auditorium at Panhandle Agricultural & Mechanical College.

Okla., Norman—Sisters of Divine Providence, San Antonio, Texas, let contract to Peltier & Fitzgibbons, Oklahoma City, at \$55,400 for 3-story, brick, stone and reinforced concrete dormitory; Cook-McDonnell Co., 416 N. Walker St., heating and plumbing at \$15,000; Monnott & Reid, Archts., Empire Bldg., both Oklahoma City.

Okla., Oklahoma City—Board of Education let contracts for \$26,868 worth of furniture and equipment for 2 Junior High Schools as follows: E. D. Edwards, First National Bank Bldg., 2200 opera chairs, \$9988; J. T. Spivey, 226 N. California St., 12 library tables, \$336; 2 flat top desks, \$65; 12 chairs, \$111; 50 teachers' desks, \$912.50; Jasper Snipes Co., desks and tables; Oklahoma School Equipment Co., 18 N. Main St., 80 typewriter tables, \$380; Oklahoma Office Supply Co., 92 tablet armchairs, \$3061; Harbour-Longmire Co., 311 N. Main St., 426 chairs, \$1363; Doc & Bill, 8 N. Grand St., 2 refrigerators, \$67; Rorabaugh-Brown Dry Goods Co., 213 N. Main St., window shades, \$2357; International Time Recording Co., 617 N. Main St., time and program clocks, \$2113.*

S. C., Clinton—Building Committee of Board of Public Welfare, B. H. Boyd, Chmn., let contract to C. H. Guest, Anderson, at \$13,300 for 1-story, brick, 64x48 ft. laundry building, 2-story, brick veneer and 1-story

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frame residences at State Training School; Lafaye & Lafaye, Archts., 1224 Sumter St., Columbia.*

S. C., Greenville—School Board let contract to W. Lindsay Smith, 609 Pettigree St., for 684 lockers for new High School gymnasium.*

S. C., Hampton—P. N. Auger, Contr., Beaumont, Texas, started work on new High School building. Address Hampton County Board of Education.

S. C., Easley—Board of Trustees Concrete District No. 19, C. C. Cely, Chmn., Route No. 3, let contract to H. W. Hamilton at \$10,000 for 1-story, 119.10x55 ft., brick veneer and frame school building; shingle roof, oak floors, brick foundation, plaster board, steel sash and trim; F. H. & J. G. Cunningham, Inc., Archts., 117½ McBee Ave., Greenville.*

S. C., Union—School Board let contract to Burns Construction Co., Columbia, at \$48,000, for auditorium, gymnasium and classroom addition to grammar school; Bryce Plumbing & Heating Co., Florence, plumbing and heating at \$14,121; Harold Tatum, Archt., 61 Arcade Bldg., Columbia.*

Tenn., Millington—Shelby County Board of Education let contract May 30 to F. J. Ozanne & Co., 310 Empire Bldg., for school addition; Lee Lumber Co., 807 Raynor St., lumber; Pidgeon-Thomas Iron Co., 94 N. Second St., iron; Tri-State School Supply Co., blackboards; E. L. Harrison, Archt., Fidelity Bank Bldg., all Memphis.*

Tenn., Nashville—Board of Education let contract to H. P. Jacobs, 701 Church St., at \$52,000, for Z. H. Brown grammar school, 32 Seventh Ave.; Hart, Nevins, Freeland & Roberts, Archts. & Engrs., 1212-13 Independent Life Bldg.*

Tex., Big Foot—Big Foot School District Board of Trustees let contract to Shane & Dickey, 1514 Buena Vista St., San Antonio, at \$14,772, for 1-story, brick and frame, 4-room and auditorium school building; Phelps & Dewees, Archts., Gunter Bldg., San Antonio.*

Tex., Bryant—St. Joseph's Catholic Church, Rev. J. B. Gleissner, broke ground for \$14,000, tract to Clarence H. Sikes, Chickasha, Okla., 2-story, concrete parochial school.

Tex., Caddo—Board of Education let contract for \$10,000, 1-story, brick and tile school building; C. M. Love & Co., Archts., 403 S. Florence St., Fort Worth.*

Tex., Kaufman—Trustees of Tolosa consolidated Kaufman and Henderson County line school district No. 104 let contract to W. H. Ricketts, Lone Oak, at \$11,421 for 5-room and auditorium, brick school building.

Tex., Muleshoe—Muleshoe School District Board of Trustees broke ground for \$60,000 High School building; W. R. Kaufman, Archt., 107 Monroe St., Amarillo.*

Tex., Orange—Board of Education let contract to H. A. Burge, Contr., for moving Orangefield Schoolhouse to Riley Wood Yard site, to be converted into 10-room, 2-story building.

Tex., Wichita Falls—Board of Education, W. W. Brown, Sec., let contract to Charles M. Blakowski, 1605 Van Buren St., at \$87,422, for 2-story and part-basement, brick, stone and reinforced concrete, fireproof, 140x100 ft. Ward School; J. C. Koriath Plumbing Co., Sherman, heating and plumbing, at \$11,850; Dosch Electric Co., 210 Indiana Ave., wiring at \$1100; Voelcker & Dixon, Archts., 312 Morgan Bldg.*

Va., Abington—School Board let contract to D. M. Kingsolver, Bristol, at \$36,000, for grammar school building; J. D. Huddle, Pulaski, has contract for 2 additions to William King High School, at \$13,000.*

Va., Blackstone—Taylor Manufacturing Co., B. T. Taylor, Pres., Prospect, broke ground for gymnasium and auditorium for Blackstone School for Girls.

Va., Charlottesville—Taylor Manufacturing Co. and Motley Construction Co., Prospect, associates, have contract for High School building.

Va., Staunton—Staunton Military Academy erecting recreational building; Walter B. Johnson, Contr., Charlottesville.

W. Va., Bluefield—Board of Education Beaver Pond District let contract to H. A. Lucas for addition to Fairview School building; Garry & Sheffey, Archts., 302 First Natl. Bank Bldg.*

Stores

Ala., Birmingham—James A. Downey, 3711 N. 27th St., let contract to Mann Brothers, 2519 10th Ave., N., for \$50,000, 2-story,

brick building, Third Ave., between 16th and 17th Sts.

Ala., Birmingham—Jemison & Co., 221 N. 21st St., remodeling building, Third Ave. and 21st St., pending addition of several floors; recently purchased lot adjoining; plans to erect building.

Ala., Ensley—Rousee & Maenza started work on 2-story, brick store and apartment building, 17th St.

Ark., Paris—L. P. Jacobs let contract for second-story addition to store, S. E. cor. of square; install electric elevator.

Ark., Fayetteville—Goss-Rogers Electric Co. let contract to P. R. Green for 2-story, brick, 19.6x90 ft. building, N. Block St.; concrete foundation, oak floors.

Ark., Little Rock—Ault & Burden, Contrs., 117 W. Second St., have permit for remodeling and altering building, N. W. cor. Third and Center Sts.; \$10,000.

Fla., Coral Gables—E. B. Funston let contract to Herbert Southworth for \$19,600, 2-story store and apartment building, Alcazar St.; work financed and supervised by Renuart Realty Co.

Fla., Delray—Atlantic Avenue Co., B. S. Hancock, Pres., let contract to Irwin Sinks, for \$40,000, 2-story, 97x140-ft. 12-store and 18-office arcade; Samuel Ogren, Archt.*

Fla., Fort Lauderdale—Harry Crim erecting 1-story 2-storeroom building on N. Andrews Ave.

Fla., Hollywood—H. P. Morse erecting Morse Arcade building on Boulevard; 12 shops on ground floor and 18 on second and third floors.

Fla., Hollywood—N. Nicholas, Dover, N. J., erecting store and office building, 25-ft. frontage on Hollywood Blvd.

Fla., Miami—Foster & Reynolds Co., 106 E. Flagler St., let contract to Charles S. Ewing, Bedford Bldg., for \$30,000 third-floor addition to building, S. E. First Ave. and Flagler St.; Henry La Point, Archt., Burdine Bldg..

Fla., Miami—Rand Properties, Columbia Bldg.; \$1,000,000 Huntington Bldg., S. E. Second Ave. and First St.; stores on first 2 floors; Underwood Contracting Corp., Louisiana Bldg., New Orleans and Miami; Louis Kemper, Archt., Detroit, Mich. (See Contracts Awarded—Bank and Office.)

Fla., Miami—James Tosto, 671 N. W. 20th St., erect \$17,500 building, 2 stores and filling station on first floor, 4-family apartment above; Wilmett A. Robinson, Archt.; George Cravers, builder.

Fla., Nokomis—I. F. Miner erecting store building to be opened in fall.

Fla., Sarasota—C. O. Teate & Son replace office building on Main St. with 1-story, brick business building; contract let.

Fla., St. Petersburg—Rutland Brothers let contract to L. E. Smith, 833 Wood St., for erection of business building, First Ave. North.

Fla., Tarpon Springs—Tarpon Springs Enterprises, Inc., let contract to Ricketts & Haworth, Whaley Bldg., Tampa, and St. Petersburg, for \$100,000, 289x100-ft., concrete, hollow tile and stucco, Spanish type arcade building, Broadway; 18 stores on ground floor, roofless garden in rear; Welpert & Brown, Archts., St. Petersburg.*

Fla., West Palm Beach—Owen Mason erect \$10,000, 1-story, 54x40 ft., hollow tile and stucco store building, Lakeview Ave.; Newlin & Stevens, Contrs.

Fla., West Palm Beach—George White erecting \$45,000, 2-story, Spanish type, 50x60 ft. store and apartment building, Singer Place.

Mo., St. Louis—Geehaet Realty Co., Seventh and Chestnut Sts., erect \$25,000, 2-story, brick, 80x60 ft. store and tenement, 4643-9 Maryland St.; tar and gravel roof, steam heat; H. G. Pleymeier, Archt., 620 Wainwright Bldg.; owner builds.

Mo., St. Louis—A. J. Waler, 3943 Ashland St., erect eight 1-story, brick, 49x194 ft. stores, 1200-14 N. Broadway, 1201-15 N. Third Sts.; C. Spooneman, Archt. & Builder, 4142 Farlin St.

Mo., St. Louis—Burdeau Realty Co., Ninth and Chestnut Sts., let contract to R. Charleville Building Co., 312 Calumet Bldg., for \$15,000, 150x80 ft., 1-story, brick stores, 2316-28 Locust St.; composition roofs, steam heat; R. A. Conzelman, Archt., 114 N. Seventh St.

N. C., Fuquay Springs—K. B. Johnson erecting 2-story, brick business building.

S. C., Charleston—Cheves Oliver Co. has contract for improvements to cost between \$15,000 and \$20,000, to Havery Building, King and Society Sts.; J. D. Newcomer, Archt., 92 Broad St.

Tenn., Chattanooga—Dr. W. M. Bogard, N. Chattanooga St., erecting 2-story, brick business building, north end Market, St. bridge.

Tenn., Nashville—Boone Contracting Co., 301 Church St., Contrs. for 4 store rooms at 16th Ave. and Church St. for Hermitage Realty Co., let following contracts: Brick work, Bush Building Co., Third Ave. North; excavating and concrete, John Oman, Chamber of Commerce Bldg.; structural steel, John W. McMurray, 1025 Hamilton St.; cut stone, Capitol City Stone Co., 724 Wedgewood Ave.; glazing and store fronts, Southern Door & Glass Co., 220 Second Ave. N.; plaster and wallboard, Stewart & Kanaday, 2103 Charlton Ave.; roof and sheet metal and metal ceiling, Fuller-Cunningham Co., 210 Third Ave. N.; painting, W. A. Parks, 814 Fourth Ave. N.; wiring, Rock City Electric Co., 113 Fifth Ave. N.; plumbing, East Side Plumbing Co., 29 Bridge Ave.; beech floors, Nashville Floor Laying Co., 110 N. First St.; Heating-Arcola, East Side Plumbing Co.; steel trusses, Nashville Bridge Co., Bridge Ave.*

Tex., Beaumont—R. L. Cartright let contract to Herman Weber, 311 Perlstein Bldg., for 1-story, brick and concrete, \$12,900, 90x60 ft. store building, Park and Forsythe Sts.

Tex., Dallas—Charles D. and J. H. Shaw, 5531 Miller St., let contract to E. L. Steerman & Son, for 2-story, brick with stone and tile trim building, S. W. cor. Elm and Harwood Sts.; 6 store rooms and 20 hotel rooms; F. J. Woerner & Co., Archts., Central Bank Bldg.

Tex., Jourdanton—Curtis Construction Co. has contract for \$15,000, brick and reinforced concrete business building.

Tex., Lubbock—D. N. Leaverton, Contr., and Wm. D. Green erecting 2-story brick building, Avenue H and Elkhth St., to be occupied by Harkrider-Kelth-Cooke Co., wholesale produce dealers.

Va., Richmond—Lewis Kaufman, Pres. of Kaufman's Store, Fourth and Broad Sts., announced plans for additions, remodeling and re-equipping to cost \$200,000; replace 2 elevators with 3 new ones, remodel Broad St. front, take over 5-story building in rear; John T. Wilson, Contr., Mutual Bldg.; Carneal & Johnston, Archts., Va. Ry. & Power Bldg.

W. Va., Waynesboro—Kinson Brothers let contract for \$90,000, 3-story, brick with marble trim building; 5 stores on first floor; offices and apartments above; A. J. Klinkhart, Archt., Hagerstown, Md.

Theaters

Mo., St. Joseph—Sun Theater & Amusement Co., Edward Peskay, Pres., 2712 Renick St., Rivoli Theater. Howard and Frederick Ave., erecting new theater and remodeling another.

Tex., Lamesa—Audrey Cox let contract to Harvey C. Allen for \$45,000, 2-story, 50x120-ft. theater building, South First and Houston Sts.*

Tex., San Antonio—Jesse Oppenheimer, Chmn. Building Committee, 309 Madison St., let contract to Lon T. Wright & Co., City Natl. Bank Bldg., at \$401,305, for 8-story, brick, stone and reinforced concrete, fireproof theater and office building, St. Marys and Travis Sts.; plumbing, heating, ventilating and refrigerating, Jud & Ormand, 704 N. St. Marys St., \$72,947; electric, Martin Wright, 246 Sandoval St., \$45,674; fire escapes, Southern Steel Co., 4500 block S. Preston St., \$594; elevators, Otis Elevator Co., 124 Darden St., \$14,900; Kelwood Co., Travis Bldg., Archts. & Engrs., will supervise construction.*

Warehouses

Fla., Tampa—L. L. Hawkins and J. J. Collins, Jr., Contrs. & Engrs., 1410 N. Clay St., Richmond, Va., purchased lot 200 ft. on Fourth Ave. at 19th St., reported to erect \$250,000, 2 or 3-story, concrete warehouse.

S. C., Greenville—American Bank & Trust Co. let contract to Gallivan Building Co., N. Washington St., for \$20,000, 2-story and basement, brick and concrete, 50x150-ft. warehouse on Rhett St., to be occupied by Greenville Textile Supply Co., 315 N. McBee Ave.; Beacham & LeGrand, Archts., North St.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Aluminum Ware.—U. S. Veterans Bureau, Arlington Bldg., Supply Division, Washington, D. C.—Receives bids July 22 for aluminum ware, including 100 saucepans, 500 dinner plates, 300 cereal bowls, 300 dessert saucers, etc.; prices f. o. b. point of shipment.

Aluminum Ware.—V. B. Nucko's, Elkton, Ky.—Wants aluminum syrup stand for table use; correspond with manufacturers.

Art Glass.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on art glass for \$40,000 church.

Automobile Accessories, etc.—John W. Hankins, 2547, Habana, Cuba.—Wants agency in Cuba for gasoline filling station equipment and automobile accessories of all kinds.

Bench Miller.—H. B. Mehrling & Co., 239 N. George St., York, Pa.—Wants small bench miller, used for making "T" slots in window sash.

Boilers.—The Shartle Machine Co., 359 Dublin Ave., Columbus, Ohio.—Wants four 700 h.p. Sterling boilers or five 500 h.p. boilers suitable for 200 lb. pressure on reinstallation in Ohio.

Boilers.—Keystone Equipment Co., 303 Arcade Bldg., 1947 Broadway, New York.—Wants water tube, horizontal and locomotive type boilers, used equipment. A. S. M. E. code, Ohio or Massachusetts standard, second-hand.

Brick (Fire).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids July 21 to furnish 5000 fire bricks and 50,000 common red bricks; delivery Marine Barracks, Quantico, Va. Sch. No. 50.

Bridge.—State Highway Comm., Columbia, S. C.—will build 3 bridges and approaches. See Construction News—Road and Street Construction.

Bridge.—City of Cumberland, Md. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—City of San Antonio, Tex.—will build 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State Highway Comm., Richmond, Va.—will build 2 bridges. See Construction News—Road and Street Construction.

Bridge.—State Road Comm., Tallahassee, Fla. See Road and Street Construction.

Bridge.—City of Austin, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Neshoba County, Philadelphia, Miss. See Construction News—Road and Street Construction.

Bridge.—State Highway Dept., Jefferson City, Mo.—will build 26 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Cabell County, Huntington, W. Va. See Construction News—Bridges, Culverts, Viaducts.

Broom Making Machinery.—Cabell Young, Salisbury, N. C.—Wants data and prices on machinery for making brooms.

Bucket Dredge Equipment.—Arthur Allen, Pascagoula, Miss.—Wants prices on 1½-yd. bucket outfit, 50 to 60 ft. boom, Deisel, steam or gasoline driven, floating outfit.

Builders' Hardware.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on builders' hardware for \$40,000 church.

Building Materials.—G. C. Smith, Kaufman, Tex.—Wants prices on brick, steel, cement, sand, gravel, lumber, builders' hardware, metal ceilings, metal doors, ornamental terra cotta, steel sash and trim and wire glass.

Butter Cutter.—U. S. Veterans Bureau, Arlington Bldg., Supply Division, Washington, D. C.—Receives bids July 22 for one butter tub cutter, to cut 43 pieces to lb.; prices f. o. b. point of shipment.

Cars.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants sixteen 2 yd. or 1½ yd. steel dump cars; also 2000 ft. of track for same.

Cars (Dump).—Mills Equipment Corp., Volunteer Life Bldg., Chattanooga, Tenn.—Wants six 4 yd., 36-in. gauge Western dump cars; Virginia delivery.

Cars (Dump).—Cleveland Equipment Co., Box 525, Houston, Tex.—Wants twenty 2 way dump cars, standard gauge, 12-yd. capacity, equipped with air brakes and air dumping apparatus; will consider either new or second-hand rebuilt cars for shipment to Texas.

Candle Making Machinery.—R. Quintero-

Paoli, Calle de Colon, 88, Campeche, Cam. Mexico.—Wants data and prices on small machinery to make wax or paraffin candles.

Carriages for Cable Way.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants two Hooker, Jones or other equal make cableway carriages suitable for inclined cableway operation with single line.

Casings and Tubes.—C. M. Wilkinson (Jobber), Box 245, Lexington, N. C.—Wants to correspond with manufacturers of casings and tubes.

Cement.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on cement.

Cement.—See Building Materials.

Cereals.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids July 21 to furnish cereals. Sch. No. 56.

Concrete Block Machinery, etc.—Chavers Furniture Co., Panama City, Fla.—Wants data and prices on concrete brick and concrete block machinery.

Corn Poppers, etc.—J. S. and D. G. Allen, Newport, Tenn.—Wants prices on corn poppers and peanut roasters.

Cranes.—Keystone Equipment Co., 303 Arcade Bldg., 1947 Broadway, New York.—Wants used locomotive cranes, all sizes, good condition.

Drafting Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids July 22 to furnish 1 divider; 1 triangular boxwood scale; 3-arm protractor; 2 tripod extension; 1 steel chain tape, 100-ft.; delivery Marine Barracks, Quantico, Va. Sch. No. 54.

Dragline Equipment.—Tennessee Machinery Exchange, H. T. Spencer, Mgr., Cherokee Bldg., Knoxville, Tenn.—Wants bottomless drag line bucket with sheaves and cable for same; will consider either new or second-hand; prefer latter if in good condition.

Dragline Dredge.—N. S. Wainwright, Clerk Circuit Court, Moore Haven, Fla.—Wants one crawler type dragline dredge, 1-yd. capacity.

Drainage.—Oxbow Drainage Dist. of Quitman County, Mark N. Ham, Pres., Marks, Miss.—Receives bids July 28 for 5 mi. ditches, approximate removal of 55,000 cu. yds. dirt; Southern Engineering Co., Engr., Clarksdale.

Dredging Equipment.—See Excavating and Grading Equipment.

Dwellings.—Chamber of Commerce, Alpine, Tex.—Wants to correspond with persons willing to finance and erect 100 summer cottages.

Dynamometers, etc.—U. S. Veterans' Bureau, Arlington Bldg., Supply Division, Washington, D. C.—Receives bids July 17 for 4 dynamometers, double scale for pressure and traction; 4 aesthesiometers and 16 steel tape measures, 2 meters; prices f. o. b. point of shipment.

Electric Line Materials.—Southern Engineering Corp., Engrs., Albany, Ga.—Wants line material for electric development at Luverne, Ala.

Elevators.—Alliance Realty Co., William Harding, Pres., Box 333, Palm Beach, Fla.—Wants bids on 1 freight and 1 passenger elevator for 3-story hotel.

Emery Wheels and Polishers.—See Machine Shop Equipment.

Engine (Hoisting).—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one double cylinder, double friction drum hoisting engine without boiler, suitable for cableways and main haulage with either tandem or parallel drums; size of cylinders 8¼x10, or larger; diam. 27 to 42-in. and width from 24 to 36-in.

Engine.—L. R. Camp, Conslt. Engr., 1115 American Trust Bldg., Birmingham, Ala.—Wants one 350 h.p. Corliss engine; second-hand equipment; state condition.

Engine.—Lone Pine Mining & Milling Co., Julian, Calif.—Wants Diesel engine, about 75 h. p., type for factory use, new or used; state location.

Engine (Hoisting).—Mills Equipment Corp., Volunteer Life Bldg., Chattanooga, Tenn.—Wants one double drum electric hoisting engine; Virginia delivery.

Excavating and Grading Equipment.—A. T. Hackl, 175 Central Ave., Bartow, Fla.—Wants machinery to develop subdivision of approximately 125 acres, including 2 tractors with

grader attachments, convertible with both rubber tire and steel wheels, together with about 4 dump wagons and 2 scraper attachments; will dredge lake to depth of 4 to 6 ft., moving 25,000 yds. of dirt; wants prices on best type of equipment for moving this dirt.

Feedwater Heater.—L. B. Camp, Conslt. Engr., 1115 American Trust Bldg., Birmingham, Ala.—Wants one 600 h.p. Moffatt feedwater heater; second-hand equipment; state condition.

Finger Cots, etc.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 22 for 1000 doz. finger cots, medium size, Supply Depot, No. 226, Chicago, Ill., also other supplies.

Fire Escape.—City of Vicksburg, Miss., J. J. Hayes, Mayor—Receives bids July 20 for one double fire escape to be built on Magnolia School Bldg.; W. A. Stanton, Archt., 308 First National Bank Bldg.

Fire Protection, etc.—Treasury Dept., Supvg. Architect's Office, 15th St. and Pennsylvania Ave., Washington, D. C.—Receives bids July 20 for extension of fire protection, mechanical equipment, heating old wards, etc., at U. S. Marine Hospital, Remington Ave., Baltimore, Md.

Flooring.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids July 22 for new floor in gymnasium at Eastern High School, Broadway and North Ave.

Generators.—See Pumping Plant Equipment.

Gold Plate for Clasps.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 20 for 2000 pieces gold plate for clasps, 24 gauge, 5 dwt. to the piece.

Gravel.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids July 28 to furnish 2000 cu. yds. gravel to surface 2 roads in Madison Parish; plans on file; W. B. Robert, State Highway Engr.

Hack Saws.—See Machine Shop Equipment.

Hammer.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 2500 lb. steam pile hammer.

Hardware, etc.—Rodolfo J. Luhrs, Post-office Box 1171, Mexico, D. F.—Wants to correspond with manufacturers of hardware and producers of shellac with view to representation.

Heating Plant.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on heating plant for \$40,000 church.

Holst.—Atlantic Wrecking Co., 404 Phoenix Bldg., Baltimore, Md.—Wants double drum holst with swinger, electric drive, A. C., 220 or 440 volt, 60 cycle; maximum load 15 tons.

Hospital and Laboratory Equipment.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 21 for hospital and laboratory equipment; prices f. o. b. point of shipment.

Kitchen Equipment.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 20 for kitchen equipment for U. S. V. hospital, Dawson Springs, Ky.; immediate delivery.

Laboratory Apparatus.—U. S. Veterans Bureau, Arlington Bldg., Supply Division, Washington, D. C.—Receives bids July 17 for laboratory apparatus for Camp Kearney and Livermore, Cal.; prices f. o. b. point of shipment; also for drugs and chemicals in specified quantities.

Lathes.—See Machine Shop Equipment.

Lighting Fixtures, etc.—Treasury Dept., 15th St. and Pennsylvania Ave., Supvg. Architect's Office, Washington, D. C.—Receives bids Aug. 3 for conduit and wiring and lighting fixtures at U. S. Postoffice at Louisville, Ky.

Lime.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on lime.

Locomotives.—Keystone Equipment Co., 303 Arcade Bldg., 1947 Broadway, New York.—Wants standard or 36-in. saddle tank locomotive with A. S. M. E. boilers.

Locomotives.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 7 ton, 36-in. gauge gasoline locomotive; also two 36-in. gauge 4 ton gasoline locomotives.

Lumber.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson,

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Ga.—Wants prices on lumber for \$40,000 church.

Machine Shop Equipment.—Blackgold Machine & Manufacturing Co., R. E. D. Foster, Gen. Mgr., Box 824, Tulsa, Okla.—Receives bids July 20 for 18 and 24-in. lathes, shapers, radio drills, planers, milling machines, drill presses, hack saws, emery wheels, polishers and various other tools for shop use; new and second-hand equipment.

Mallets (Stone-cutters).—Joseph Blasey, 324 American Central Life Bldg., Indianapolis, Ind.—Wants to correspond with manufacturers of stone-cutters wooden mallets.

Metal Doors.—U. S. Engineer Office, Florence, Ala.—Receives bids Aug. 4 to furnish and install metal doors in oil circuit breaker building at Wilson dam.

Metal Doors, etc.—See Building Materials.

Motor.—R. S. Armstrong & Bro. Co. (Mchy. Dealer), 676 Marietta St., Atlanta, Ga.—Wants 50 h.p. used motor, 3 phase, 60 cycle, 2200 volt, 1200 r.p.m.

Motors (Electric).—The Grover Gln Co., J. G. White, Sec., Grover, N. C.—Wants prices on two 60 h. p. squirrel cage electric motors, 3 phase, 60 cycle, 2200 volts, 1200 rpm.; complete, delivery Grover.

Oil Well Drilling.—John C. Pfalzgraf, 310 College St., Poteau, Okla.—Wants to correspond with drilling contractors.

Oil Line Materials.—John C. Pfalzgraf, 310 College St., Poteau, Okla.—Wants prices on 3-in. pipe line and tubing and 6-in. and 8-in. pipe line and packers.

Overall Machinery, etc.—Bergh & Collette, Gen'l. Delivery, Lakeland, Fla.—Wants prices on equipment and materials for manufacture of overalls and work shirts.

Paint.—State Highway Dept., Samuel McGowan, Chief Highway Commr., Columbia, S. C.—Receives bids Aug. 15 to furnish and deliver 250 gal. white traffic paint, ready mixed, in 25-gal. containers.

Paving.—Fulton County, Atlanta, Ga. See Construction News—Road and Street Construction.

Paving.—City of Shreveport, La. See Construction News—Road and Street Construction.

Paving.—City of Baltimore, Md. See Construction News—Road and Street Construction.

Paving Materials.—Sumter County Comms., W. N. Potter, Clerk, Bushnell, Fla.—Receives bids Aug. 11 to furnish and deliver f.o.b. cars at points in Sumter County as follows: 260,000 gal. asphalt and 7800 tons crushed stone or slag; E. V. Camp, Conslt. Suprv. and Testing Engr., Atlanta, Ga., and Bartow, Fla.

Pipe.—See Water Works Improvements.

Pipe (Cast Iron).—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids July 20 to furnish cast iron water pipe. Blank forms and information (Circular 1683) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Pipe and Pipe Connection.—Fred J. Napier, Jeanerette, La.—Wants to contract for manufacture of patented pipe connection, in the South near rolling mill.

Pipe (Steel or Iron).—Keystone Equipment Co., 303 Arcade Bldg., 1947 Broadway, New York.—Wants in car loads or less 12, 14, 15, 16 and 20-in. diam. steel or iron pipe or well casing.

Plumbing.—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives bids July 22 for repairs to plumbing at No. 54 School, Twenty-fifth near Charles St., also No. 14 School, Linden Ave. and Wilson St.

Pump.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one pump, 50 gal. per min., 10 ft. suction head and 30 ft. pressure head, electrically provided with automatic cut-out.

Pumps.—See Water Works Improvements.

Pump (Centrifugal).—Mills Equipment Corp., Volunteer Life Bldg., Chattanooga, Tenn.—Wants one 5-in. centrifugal pump, Cameron make; Virginia delivery.

Pumping Machinery.—W. T. Patterson, Supt. Light and Water Works, Tallapoosa, Ga.—Wants pumping machinery for water works, state price.

Pumping Plant Equipment.—City of Bartow, Fla., G. J. McNamee, Clk.—Receives bids Aug. 12 for furnishing material, equipment and labor and constructing following: Equipment for steam driven electric and pumping plant equipment—2 water tube boilers and superheaters; 2 boiler feed pumps; 1000 kw. turbine driven generating unit; surface condenser and auxiliaries for above; two 1000 g. p. m. low head centrifugal

pumps; 1500 g. p. m. high head centrifugal pumps; switchboard equipment; Equipment for Diesel engine driven electric and pumping plant addition—two 600 h. p. Diesel engines; two 400 kw. direct connected generators and exciters; two 1000 g. p. m. low head centrifugal pumps; two 1500 g. p. m. high head centrifugal pumps; switchboard additions; E. V. Camp & Associates Conslt. and Supv. Engrs. Bartow.

Rails.—Mills Equipment Corp., Volunteer Life Bldg., Chattanooga, Tenn.—Wants tonnage 45 lb. relaying rails; Virginia delivery.

Rails.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 2000 ft. of rails.

Refrigerating Machinery.—Plaza Royal Amusement Co., 214 Finance Bldg., Kansas City, Mo.—Wants prices on refrigerating machinery.

Rock Crusher.—Lone Pine Mining & Milling Co., Julian, Calif.—Wants single roll rock crusher.

Road.—State Road Dept., Tallahassee, Fla. See Construction News—Road and Street Construction.

Road.—State Highway Comm., Richmond, Va., will build 4 roads. See Construction News—Road and Street Construction.

Road.—Union County, Lake Butler, Fla. See Construction News—Road and Street Construction.

Road.—Fayette County, Fayetteville, W. Va. See Construction News—Road and Street Construction.

Road.—State Highway Dept., Jefferson City, Mo., will build 3 roads. See Construction News—Road and Street Construction.

Road.—State Highway Dept., Austin, Tex., will build 2 roads. See Construction News—Road and Street Construction.

Road.—State Highway Comm., Columbia, S. C., will build 6 roads. See Construction News—Road and Street Construction.

Road.—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Road and Street Construction.

Road.—Glimer County, Glenville, W. Va., will build 2 roads. See Construction News—Road and Street Construction.

Road.—State Highway Dept., Jefferson City, Mo., will build 46 roads. See Construction News—Road and Street Construction.

Road.—State Road Comm., Tallahassee, Fla., will build 2 roads. See Construction News—Road and Street Construction.

Road.—Neshoba County, Philadelphia, Miss. See Construction News—Road and Street Construction.

Road Material.—El Paso County Comms., E. B. McClintock, Judge, El Paso, Tex.—Receives bids July 23 for 500 tons limestone rock asphalt, f. o. b. mines per ton; 7000 gal. (12 gravity-asphalt base) road crude oil f. o. b. Ysleta, per gal.

Rock-Fill Dam.—City of Pulaski, Va., E. W. Calfee, Mayor—Receives bids July 25 for construction of rock-fill dam and appurtenances, following approximate quantities: general excavation, 2400 cu. yds.; rock-fill, 18,000 cu. yds.; Class A concrete, 280 cu. yds.; Class B concrete, 680 cu. yds.; reinforcing steel, 24,000 lbs.; piping, valves, specials and appurtenances, 35,000 lbs.; pipe, valves and specials to be furnished by Town, f.o.b. cars; S. B. Williamson, Conslt. Engr., National Bank Bldg., Charlottesville.

Roofing.—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on roofing.

Road Improvement.—State Road Comm., Charleston, W. Va., will improve 6 roads. See Construction News—Road and Street Construction.

Seating (Church).—Jefferson M. E. Church, J. E. Randolph, Chmn., Bldg. Comm., Jefferson, Ga.—Wants prices on pews for \$40,000 church.

Sewer Extension.—See Water and Sewer Extension.

Sewer System.—See Water Works and Sewer System.

Shovel and Crane.—W. P. Kennedy Construction Co., Quincy, Fla.—Wants ¾-yd. gasoline driven, crawler type combination shovel and crane.

Shovel (Steam).—Mills Equipment Corp., Volunteer Life Bldg., Chattanooga, Tenn.—Wants ½-yd. crawler type Erie Steam shovel; Virginia delivery.

Sidewalk.—City of Vicksburg, Miss. See Construction News—Road and Street Construction.

Steel.—See Building Material.

Steel.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Receives

bids July 21 to deliver bar steel to navy yard, Washington.

Steel.—See Rock-Fill Dam.

Street Improvement.—City of St. Charles, Mo. See Construction News—Road and Street Construction.

Street Improvement.—City of Richmond, Va. See Construction News—Road and Street Construction.

Street Improvement.—Town of South Charleston, W. Va. See Construction News—Road and Street Construction.

Street Improvement.—City of West Palm Beach, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Palmetto, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Clearwater, Fla. See Construction News—Road and Street Construction.

Street Improvement.—City of Chapel Hill, N. C. See Construction News—Road and Street Construction.

Street Improvement.—City of Mayfield, Ky. See Construction News—Road and Street Construction.

Street Improvement.—City of Aulander, N. C. See Construction News—Road and Street Construction.

Street Improvement.—City of Shreveport, La. See Construction News—Road and Street Construction.

Sub-Station Equipment.—Southern Engineering Corp., Albany, Ga.—Wants substation equipment, etc., for electric development at Luverne, Ala.

Tank and Tower.—See Well, etc.

Track Scales.—Holston Quarry Co., Inc., Strawberry Plains, Tenn.—Wants one set 100 ton track scales.

Tractors.—See Excavating and Grading Equipment.

Transformers.—Southern Engineering Corp., Engrs., Albany, Ga.—Wants six 200 kv. 44,000-2300 volt single phase oil cooled transformers for electric development at Luverne, Ala.

Wagons (Dump).—See Excavating and Grading Equipment.

Wallboard.—Marine Corps, Navy Bldg., Quartermaster's Dept., Washington, D. C.—Receives bids July 20 to furnish 40,000 sq. ft. wallboard; delivery Marine Barracks, Quantico, Va.; Sch. No. 48.

Water Meters, etc.—Town of West Jefferson, N. C., W. C. Johnston, Clk.—Wants prices on water meters and corporation cocks.

Water and Sewer Extension.—City of High Point, N. C., H. A. Moffitt, Mayor—Receives bids July 22 for water and sewer extensions, including 11,000 ft. of 12-in., 2000 ft. of 10-in., 25,000 ft. of 8-in., sewer; 2650 ft. of Class B. C. I. pipe lines; 1000 ft. of 6-in. Class B. water main; 125 manholes; A. E. Taplin, Engr.

Water System.—J. S. White, Sec., Grover Gln Co., Grover, N. C.—Wants prices and data on electric control compressed air water system for deep well, residence use.

Water Well.—City of Bartow, Fla., J. E. Childs, Mgr.—Receives bids July 24 for furnishing materials, equipment and labor and drilling and completing deep well not less than 12-in. in diam. and about 700 ft. deep; E. V. Camp and Associates, Conslt Engrs., Bartow.

Water Works.—City of Cumberland, Md., P. A. Nicklin, Commr. Water and Electric Lights.—Receives bids July 17 for repairs of Evitt's Creek Dam and alternate bids for supplying labor, materials and equipment for construction of about 3000 sq. yds. of new facing.

Water Works Improvements.—City of Durham, N. C., R. W. Rigshy, Mgr.—Receives bids Aug. 4 for furnishing materials and labor for construction of extension to present mechanical filtration plant; reinforced concrete; 5,000,000 gal. capacity; and includes piping arrangements, mixing chamber, coagulating basins, and separate reinforced concrete clear water basin of 1,000,000 gal. capacity; 2 miles of 24-in. cast iron pipe line; 5 Venturi meters for pipe lines 24 to 36-in. in size; 3 motor driven low head centrifugal pumps of from 200 to 7000 g. p. m. capacity; also for furnishing and installing power and light wiring in pumping and power station now under construction on Flat River; Wm. M. Platt, Engr., Roxboro Rd., Durham.

Water Works and Sewer System.—City of Boone, N. C., D. J. Cottrell, Mayor—Receives bids July 28 for water works and sewer system; work includes steel storage reservoir;

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3 miles of cast iron pipe line; 8000 ft. of 6 and 8-in. cast iron water mains; 4 miles of sewer extensions and outfall; Gilbert C. White Co., Engrs., Morehead Ave., Durham.

Well, etc.—Walnut Grove Land Co., G. O. Waring, 411 McCall Bldg., Memphis, Tenn.—Wants well of about 500 ft. deep and 12 inches in diam. and steel tank of 100,000 gal. with electric automatic motor that will handle equipment for water supply for subdivision of 200 acres which has no other facilities other than 100 ft. depth individual wells.

Well Casing.—See Pipe (Steel or Iron).

Wire Glass.—See Building Materials.

Wire Rope.—Keystone Equipment Co., 303 Arcade Bldg., 1947 Broadway, New York.—Wants new or used wire rope, all sizes from 5/16 to 2½-in. diam.; car loads or less.

Zone Line Marking Machines.—State Highway Dept., Samuel McGowan, Chief Highway Commr., Columbia, S. C.—Receives bids July 28 to furnish machines for marking traffic zone lines on paved highways.

Trade Literature

Ward Delaney's Address to Lumbermen.

An address which was delivered before the recent annual meeting of the National Lumber Manufacturers Association at Chicago, by Ward Delaney, vice-president of the W. K. Henderson Iron Works & Supply Co., Shreveport, La., has been published in pamphlet form. Mr. Delaney's subject is "The Use of Small Sawmills in Connection with Large Sawmills in the Southern United States." Among other things he said that "A constant decrease in production of large mills for the next five years is anticipated, but a much larger increase in the number of small mills is expected. . . . A material contributing factor to their existence is the large sawmill man who sells his cut-over land in small lots to these operators." The address is of abundant interest and Mr. Delaney urges his hearers to keep the lumber industry in the hands of lumbermen.

O. K. Air Compressor Folder.

The O. K. Clutch & Machinery Co., Columbia, Pa., has published a folder describing and illustrating their latest line of air compressors, which have been tried out for over a year with very good results. They are now being put on the market in quantities. These portable air compressors are of gasoline and electric operation and are equipped with all of the latest features essential to their perfect use. They are made in three types of 26, 35 and 54 horsepower, respectively, each having four cylinders. The free-air capacity per minute is 118, 160 and 260 cubic feet, respectively. Full details are given concerning their construction and operation.

Wagner Booklet on Power Factor.

The Wagner Electric Corporation of St. Louis has issued a little booklet "In the interest of better electrical service," it is stated, and entitled "Fifty Questions and Answers About Power Factor." There are only four chapters, but they are enough to tell about what power factor is, the importance of magnetizing current, its cost and its control. The publication will be appreciated by customers and others.

New Diesel Engine Bulletin.

Fairbanks-Morse Diesel engines are fully described and illustrated in Bulletin No. 1040 of Fairbanks, Morse & Co., Incorporated, Chicago, Ill. This book of thirty-two pages—it is really much more than a bulletin—relates to "Modern Methods in Diesel Engine Building," as stated on the front-cover page. Many

persons are inclined to think of the Diesel engine as it was ten years ago, forgetting that the developments in this field are fully comparable with the progress in the automotive field. In this publication the firm, therefore, have attempted to picture the present-day engineering refinements that enter into the construction of Diesel engines and what these refinements mean to purchasers. A copy of the bulletin will be sent to anyone on request addressed to the company.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Large Westinghouse Office Building.

An eleven-story office building 136 feet high and 56 feet wide and costing approximately \$1,000,000 will be built at the East Pittsburgh (Pa.) works of the Westinghouse Electric & Manufacturing Co. to take care of its continued expansion of business. Small buildings on the site have been razed and the new building is to be completed within a year. It will centralize the office forces of the various departments, which are now scattered throughout the factory, and it will add 175,000 square feet to the present office floor area. The exterior of the new building will be of smooth, red vitrified fire brick with a terra cotta belt course, cornice and window sills.

Haiss Loader on Paving Job.

The advantages of using a Haiss creeper loader for grading work are revealed on a job which the Griffith Company is doing in connection with some street paving in the town of Santa Ana, about 30 miles from Los Angeles, Cal. The streets are 40 feet wide, with a longitudinal joint in the center, and one side is paved at a time. After scarifying the surface, the material so loosened is scraped up in windrows and is then loaded into trucks by means of the loader, which, on account of easy adjustment, is held closely to grade. The grading foreman reported having often loaded 1½ cubic yards in 40 seconds.

President and General Manager.

L. G. Blodgett, formerly field superintendent for the H. F. Wilcox Oil & Gas Co., on July 1 became president and active general manager of the Mid-Continent Konset Company, with general sales offices in the Kennedy Building, Tulsa, Okla. This latter company are distributors in Oklahoma, Kansas, Colorado and New Mexico for Konset and Kleen-a-Well and other chemical and technical products manufactured by the Sullivan Company, Memphis, Tenn., the increasing demands for which have necessitated enlargement of the factory.

J. Harvey Finch.

J. Harvey Finch, New York district sales manager of Sweet's Steel Company of Williamsport, Pa., died at the French Hospital, New York city, on July 2, aged 46 years, as the result of a rupture of the heart and ensuing internal hemorrhages. Mr. Finch faithfully and efficiently represented the company at New York for the last ten years, and he leaves a large number of friends and acquaintances, both business and social.

Will Open Atlanta Office.

Clarke, Davis & Co. of Detroit, large manufacturers of pharmaceutical preparations, have leased the building at 95 Luckie street, Atlanta, Ga., for a branch office.

Elwell-Parker Catalogue.

Catalogue No. 140 of the Elwell-Parker Electric Co., Cleveland, Ohio, fully describes and illustrates their comprehensive line of tractors and material handling equipment, including electric storage battery industrial trucks, tractors and cranes. The chapter headed "Aids to Selection of Correct Haulage Systems" will be especially appreciated. The pictures and the printing of the book are of superior style.

Consulting Practice Continued.

Cards have been issued by Roland B. Day announcing the continuance under his direction of the petroleum and oil shale consulting practice of Dr. David T. Day, 715 Nineteenth St. N. W., Washington, D. C.

General Manager Elected.

T. E. Barner, formerly field representative for the Sullivan Company, Memphis, Tenn., manufacturers of chemical and other products used in the oil fields and in the building trades, was promoted to be general sales manager at a recent meeting of the board of directors. He will make an extended tour of the oil fields.

Bids Invited to Build Street Railway.

According to an advertisement elsewhere in this issue, the Boardman-Frazee Realty Corporation, 176 Central Ave., St. Petersburg, Fla., will receive bids until noon July 28 for the construction of 2.6 miles of street railway with necessary appurtenances (but not for the grading, which will be provided.) Further particulars will be found in the advertisement.

Contractors' Equipment to Be Sold.

According to a formal announcement which appears elsewhere in this issue the entire stock of contractors' equipment of the Atlantic Wrecking Company will be sold at auction Tuesday, July 28, beginning at 10 o'clock A. M., on the premises at the intersection of Loney's Lane and the Pennsylvania Railroad, Baltimore, Md. The sale includes locomotives, locomotive cranes, cars, air compressors, buckets, tanks, mixer, pumps, etc. Further particulars will be found in the advertisement.

Company to Aid Small Industries.

The Corporation Bond Company of Maryland, with offices in the Maryland Trust Building, Baltimore, has been formed, as stated in its charter, to assist small industries. It is expected that subsidiary corporations will be organized at various points. Officers of the company are: George M. Kimberly, chairman of the board; Robert S. Mooney, president; A. S. Goldsborough, secretary and treasurer.

George A. Wood.

Mourning cards have been sent out by the T. B. Woods Sons Company, Chambersburg, Pa., announcing the death of George A. Wood, its president, on Wednesday, June 17. Mr. Wood was prominent in the company for many years and was an outstanding figure in power transmission machinery lines. A quiet, unassuming man, but a true Christian gentleman, he was held in the highest respect and esteem by all who knew him.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

What Mr. Kirk Saw in Europe.

Necessity for a highly protective, scientific tariff for the United States and probability of the establishment of a tariff system by several of the European nations were two features impressed on the mind of S. W. Kirk of the Kirk & Blum Manufacturing Co., Cincinnati, in a trip around the world, from which he recently returned. Also, Mr. Kirk found that the morale and spirit of the people in England, France and Germany were excellent and they all are willing to work hard. But there is still considerable unemployment, particularly in England, and, says Mr. Kirk, Germany is "tricky" and must be watched in its dealings with other countries to assure that it will "play fair."

Asked about his observations on his trip, Mr. Kirk said to a representative of the MANUFACTURERS RECORD:

"In my tour I was fortunate in having the entrée to leading industrial circles through letter of introduction from the Ford Motor Co., and, while years of observation would be required to get an accurate line on the details of world conditions, I feel I obtained a pretty good insight into things in a general way. As a summary of these observations, I would say:

"The United States should establish and maintain a high protective tariff to safeguard our industries and the men and women employed in them against any invasion of goods made by cheap foreign labor. This tariff need not be discriminatory in any way, and far less be haphazard, but rather a scientific tariff constructed on the basis of world conditions in the post-war adjustment of industry, commerce and finance. Also, we should maintain a great American merchant marine to transport American goods in American bottoms and to carry home the freight which is westward bound.

"In regard to the tariff, it is my belief that the foreign nations will establish a tariff for the protection of their own industries against imports of American goods, and it would be a most foolish mistake for the United States to storm the bulwark of a foreign protective tariff and coincidentally leave its own shores unprotected against an influx of cheap foreign goods. Somewhat on this line it is interesting to note that, while the prices of clothing and other necessities are approximately 25 per cent higher in Germany than in other European countries, these prices are not consistent with the low wages paid to the workers; in time these low wages and the depreciated mark will help Germany largely in the restoration of its foreign trade, but it will take some time for it to rebuild its merchant marine, which it lost in the war.

"For our part, we should have a great merchant marine. True, American ships must pay higher wages to the seamen, and in other ways, too, it will cost more to operate them in other details, but these and other handicaps well may be overcome by the institution and practice of true American efficiency, and the American merchant marine be placed at least on a parity with the prospective German fleet and other merchant-marine fleets now operating.

"By another stroke of good fortune it happened that I was in Germany at the time of the national election and observed the victory of Von Hindenburg, the methods of its accomplishment and the reaction on the German people. The industrial element of Germany was opposed to Von Hindenburg because they feared his election might develop an unfavorable reaction from the other nations of the world. But it looked very much as though Dr. Karl Marx's defeat was due largely to anti-Catholic sentiment and the women's vote. The women of Germany have not proved, so far, of value in the political situation of that country. For generations their training has been strictly and entirely along domestic lines; they are not as well equipped as American women to grasp business and political problems.

"And, I would say that it might be well for the other nations to keep an eye on Germany and to make sure that it

proposes to play fair. For some reason, or no reason, the German people seem to feel that they lost the war largely because of foolish utterances by some of their statesmen and soldiers. For instance, they cite the Kaiser's boast that 'after we have finished with England and France, we can attend to America'—that was a challenge to the world which the United States could not ignore. The German people still think their country the greatest in all the world, and to my mind it is only a question of time before they will plan some coup to restore their country to its former position in the front rank of the nations. Encouragement for this idea will be found in the election—and, possibly, the policies—of Von Hindenburg. And, incidentally, I would add that I found in Germany a friendly and sympathetic feeling for Japan.

"Throughout Europe all eyes are fixed on the American system of industry and business in general. Each country fears competition from American manufacturers far more than the rivalry of any other of the nations. American initiative, American ingenuity, American efficiency, American resourcefulness have impressed them profoundly. Yet, on the other hand, while they look on American competition with deep apprehension, they also look to the United States as a great pot into which they can pour their commodities and transmute them into American gold. They look to Uncle Sam as the modern Midas and as a purchaser with unlimited money in his pockets with which to buy their goods.

"The United States must not permit its present tariff to be weakened; we really should strengthen it to resist a flood of goods of all kinds fabricated by cheap foreign labor. Either American labor, American capital and American standards in general must be maintained at their present level, or, through foreign competition, permitted by an inadequate tariff, sink to the low level of foreign life."

Mr. Kirk also expressed an opinion that the Dawes plan was regarded in Europe as the agency through which foreign finances would be restored to, virtually, normal conditions.

Plans 20-Story, \$2,000,000 Office Building.

Tampa, Fla.—Plans are reported being made for a 20-story office building to be erected here at a cost of \$2,000,000 by a number of capitalists, including Cornelius Vanderbilt, Jr., of New York. The building will occupy a site fronting 60 feet on Franklin street with a depth of 105 feet on Madison street. Space will be provided on the ground floor for a number of retail stores surrounding a large lobby, the latter leading to the elevators.

Forty-One Residences to Cost \$400,000.

Fort Lauderdale, Fla.—Plans have been made by Peter Cappel, president of the Cappel Realty Corporation, New York, for the erection of 41 residences here ranging in cost from \$5000 to \$12,000 and costing in the aggregate about \$400,000. Six of the houses will be erected near the proposed Coles avenue bridge, four in Victoria Park, twenty-five in Rio Vista and six in Riviera.

Architects for \$250,000 Masonic Temple.

Alexandria, La.—Sam Stone, Jr., of New Orleans, has been selected as architect, and Herman J. Duncan of this city, associate architect, for a \$250,000 Masonic temple to be erected here. The structure will be five stories, fireproof, of reinforced concrete and steel, and will be equipped with elevators and a modern heating plant.

Members of City Council of Fort Worth, Texas, O. E. Carr, city manager, are considering an election by early fall on a \$3,000,000 bond issue for a water supply.

Charlotte Bank to Erect 20-Story Building.

Instead of erecting a four-story block at a cost of \$300,000 as originally planned, the First National Bank of Charlotte, N. C., wires the MANUFACTURERS RECORD that it has tentative plans for a 20-story building to cost \$1,000,000, including the site. The structure will be 59 by 175 feet, with a rear width of 70 feet. Lockwood, Greene & Co., architects and engineers, of Boston and Atlanta, with an office in Charlotte, and Louis H. Asbury of Charlotte are the architects.

Arcade and Office Building to Cost \$500,000.

Tampa, Fla.—A lease has been obtained on a site in this city by A. J. Simms and associates, on which, it is understood, a modern arcade and office building to cost \$500,000 will be erected. The site fronts 210 feet on Cass street and 105 feet on Tampa street, occupied at present by dwellings which will be razed to make room for the new structure. The building will be of hollow tile and stucco and will provide offices for the A. J. Simms Real Estate Co.

Ten-Story Bank Building for Sebring.

Sebring, Fla.—At a meeting of stockholders of the Highlands Bank & Trust Co., J. H. Garst, president, plans were discussed for the erection of a 10-story building on the site of the present structure. The building will be of Gothic architecture, of steel and concrete with stucco finish, and will cost about \$250,000. It is understood that the company will occupy the first floor, the remaining floors to be for offices.

The city of O'Donnell, Texas, will vote August 5 on a bond issue of \$90,000, to include \$65,000 for a water-works system and \$25,000 for drainage.

Increasing Prosperity of Atlanta Banks.

Atlanta, July 13—[Special.]—Atlanta bank clearings for June amounted to \$251,071,225.32 this year, as compared with \$197,741,412.87 for the same month last year, and with the declaration of the usual quarterly and semi-annual dividends and the crediting of interest on savings deposit here nearly \$1,000,000 has been paid by Atlanta banks on interest and dividends in the early part of July.

Among the dividends declared were 4 per cent by the Atlanta and Lowry National Bank, amounting to \$160,000; the usual semi-annual dividend of 8 per cent of the Fourth National Bank, amounting to \$96,000; the Citizens and Southern quarterly dividend of 3 per cent, amounting to \$90,000; the Atlanta Trust Company dividend of 4 per cent, amounting to \$60,000; the semi-annual dividend of 3½ per cent of the Fulton National Bank, amounting to \$26,250, and dividend payments of the Georgia Savings Bank and Empire Trust Company, amounting to \$3500 and \$3020, respectively.

The Citizens and Southern Bank pays \$300,000 in interest on savings accounts at its branch banks all over the state, and the Georgia Savings Bank is crediting \$45,000 in interest on savings accounts of its depositors.

Bank clearings for Atlanta are \$250,000,000 ahead of clearings for the same period last year, and indications are seen that 1925 will be one of the best banking years Atlanta has ever experienced.

The San Antonio (Texas) Board of Education, Paul H. Scholz, business manager, has sold a \$300,000 bond issue to the National Bank of Commerce, San Antonio, proceeds of the sale to be used for the purchase of sites and erection of school buildings.

Opportunities for Southern Sales and Contracts

The comparative figures below strikingly indicate the tremendous sales opportunities in Maryland, the Virginias, the Carolinas, Georgia, Florida, Alabama, Louisiana, Texas, Arkansas, Tennessee, Kentucky, Oklahoma, Mississippi and Missouri. The big gains over the previous year, as told in the summary herewith, show the steady forward movement throughout the South in all lines of endeavor and reveal the steadily increasing buying power of this section of the country.

Six Months Expansion Record This Year and Last Year

1925 January to June		1924 January to June
\$383,640,000	Building and construction contracts let covering only projects costing \$10,000 and over.	\$342,780,000
\$198,000,000	Public improvement bonds sold.	\$183,000,000
46,768	Number of items of construction news, indicating the rate at which the South is growing.	35,254

If you would like to obtain construction and building contracts or increase your Southern sales, you should receive the Manufacturers Record regularly each week. The Construction Department presents invaluable sales leads.

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MANUFACTURERS RECORD

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BALTIMORE, MARYLAND

FINANCIAL NEWS

Bond Issues Proposed

Ala., Anniston—School—Board of Aldermen receives bids July 23 for \$100,000, 5% \$1000 denom. bonds; Sidney J. Reaves, Mayor.*

Ala., Gadsden—City voted \$60,000 school and \$10,000 sewer bonds. Address City Clk.

Ala., Selma—Courthouse Annex—Dallas County voted \$50,000 bonds; W. M. Vaughn, Probate Judge.*

Ala., Sheffield—Street Paving—City Commissioners contemplate \$219,000 bond election.

Ark., Fort Smith—Indebtedness—City Comm. contemplates \$165,000 bond election.

Ark., Little Rock—School—Board of Directors of Special School Dist., J. P. Runyan, Sec., receives bids July 28 for \$235,000 4½% bonds.

Ark., Texarkana—School—Board of Directors of Special School Dist. of Texarkana, M. F. Chestnut, Sec., receives bids July 25 for \$108,000 5½% bonds.

Fla., Bradenton—School—Manatee County Oneco Dist., voted \$10,000 bonds; will sell bonds. Address County Commrs.

Fla., Brooksville—Road—Hernando County Commrs. contemplate \$1,000,000 bond election.

Fla., Clearwater—School—R. S. Blanton, Sec. Board of Public Instruction, receives bids July 29 for \$55,000 5½% Pinellas County Special Tax School Dist. No. 6 bonds.

Fla., Davenport—Municipal Improvement—Town, Chas. A. Crisp, Clk., receives bids July 20 for \$55,000 6% bonds; \$35,000, park; \$10,000, white way; \$10,000, water works.

Fla., Daytona—School—City contemplates \$800,000 bond election. Address Pres. School Board.

Fla., DeLand—Road—Volusia County Commissioners will call election Aug. 11 on \$2,000,000 bonds.*

Fla., Gainesville—School—City voted \$250,000 bonds; E. R. Simmons, Supt. of Public Instruction.

Fla., Holly Hill—Municipal Improvement—City, J. C. Murphy, Clk., voted \$180,000 bonds; \$110,000 street paving; \$70,000 water works extension.*

Fla., Jacksonville—Road—Duval County voted \$1,500,000 bonds. Address County Commrs.*

Fla., Jasper—School—Board of Public Instruction of Hamilton County, W. W. Bradshaw, Supt., receives bids Aug. 3 for \$80,000 Jasper School Dist. bonds, and \$40,000 Jennings Dist. 6% bonds.

Fla., Miami—Paving, Sidewalks, Sewer—City, C. L. Suddleston, Director of Finance, contemplates bond issue; F. H. Wharton, City Mgr.

Fla., Orlando—Refund—City plans \$500,000 bond issue. Address City Clk.

Fla., Pensacola—Municipal Improvement—City Commrs. plan calling election on \$510,000 bonds: \$120,000, sanitary sewers; \$40,000, storm sewers; \$25,000, equipment and extension fire department; \$50,000, water main extension; \$25,000, parks and playgrounds; \$100,000 golf course; \$150,000, paving.

Fla., Pensacola—Land, Fire Department Building and Equipment—City Commrs. contemplate \$25,000 bond election.

Fla., Plant City—Civic Improvement—City, W. C. Wells, Mayor, contemplates \$260,000 bond issue for street paving, water works improvement, armory, and other civic projects.

Fla., Sanford—Hospital—Seminole County Commrs. contemplate bond issue.

Fla., St. Petersburg—Municipal Improvement—City, S. S. Martin, Director of Finance, receives bids July 20 for \$1,000,000 5% \$1000 denom. bonds.*

Fla., St. Petersburg—Municipal Improvement—City Comm., contemplates \$3,000,000 bond election.*

Fla., St. Petersburg—Street Improvement—City will sell \$490,000 bonds. Address City Clk.

Fla., Tampa—Road and Bridge—Hillsborough County Commrs., Fifth Commrs. Dist., contemplate \$750,000 bond election; A. B. Pimm, County Engr.

Fla., Tarpon Springs—Municipal Golf Course—City votes July 27 on \$60,000 bonds. Address City Clk.

Fla., Tavares—Road and Bridge—Lake County Commrs., T. C. Smyth, Clk., receive bids July 27 for \$3,435,000 6% \$1000 denom. bonds. Lately noted bids July 7.

Fla., West Palm Beach—School—City voted \$500,000 bonds. Address Pres. School Board.

Fla., Winter Park—Improvement—City voted \$20,000 bonds. Address City Clk.

Fla., Zolfo Springs—Municipal Improvement—Town contemplates \$30,000 bond election. Address Town Clk.

Fla., Zephyrhills—White Way—City votes latter part of July on bonds. Address City Clk.

Ga., Atlanta—City Hall—City votes Sept. 27 on \$2,000,000 bonds. Address Mayor Sims.*

Ga., Blackshear—School—City, J. L. Grady, Clk., receives bids July 25 for \$27,000 5% \$1000 denom. bonds.*

La., Amite—School—Tangipahoa Parish, Spring Creek Dist., voted \$12,000 bonds. Address Parish School Board.

La., Lake Charles—Port Improvement—Lake Charles Harbor and Terminal Dist. voted \$500,000 bonds. Address Board of Commrs.*

Md., Hagerstown—Indebtedness—Sewer System—City, Daniel E. Downin, Tax Collector and Treas., receives bids July 18 for \$60,000 4½% \$1000 denom. bonds; Ned R. Carlisle, Clk.*

Miss., Charleston—Highway—Tallahatchie County defeated \$150,000 bond issue. Address Boards of Suprvs.*

Miss., Grenada—School Improvement—Board of Aldermen contemplates \$10,000 bond issue.

Miss., Lexington—Road—Holmes County, Beat One, voted \$45,000 bonds. Address County Commrs.*

Miss., Magnolia—Road—Pike County, Northern Road Dist., voted \$125,000 bonds. Address Board of Suprvs.*

Miss., Meridian—Municipal Improvement—City votes July 23 on \$45,000 bonds; \$20,000, street improvement; \$25,000, sewerage. Address City Clk.*

Miss., Port Gibson—School—Rocky Springs Dist. voted bonds. Address County Commrs.

Miss., Ripley—School—Tippah County Board of Suprvs., Buena Vista Consolidated School Dist., voted \$10,000 bonds; Roy Clayton, Clk.

Miss., Woodville—Road—Wilkinson County voted \$40,000 bonds. Address Board of Suprvs.*

Mo., Palmyra—Paving—City, H. M. Howard, City Clk., voted \$11,000 5% bonds.

Mo., Jefferson City—Jail—Cole County contemplates voting Aug. 4 on \$75,000 bonds. Address County Commrs.*

Mo., Joplin—School—Board of Education plans calling election on \$750,000 bonds.*

Mo., Mokane—Street Maintenance and Lighting—City voted \$20,000 bonds. Address City Clk.

Mo., Pickering—School—City votes July 21 on \$8000 bonds. Address Pres. School Board.

N. C., Durham—Fire Department Improvement—City contemplates \$86,000 bond issue. Address City Clk.

N. C., Elizabeth City—Municipal Wharves Property—City votes Aug. 18 on \$32,000 bonds; J. H. Snowden, City Auditor.*

N. C., Halifax—Road—Halifax County Commrs. authorized \$960,000 bond issue; Hon. W. A. Hart, Dist. Highway Commr.

N. C., Kernersville—Water Works Extension—Town, D. W. Harmon, Sec., plans \$18,000 bonds.

N. C., Raleigh—Road—Wake County contemplates \$890,000 bond election. Address County Commrs.

N. C., West Jefferson—Water Works—Town, W. C. Johnston, Clk., receives bids July 20 on \$18,000 bonds.

N. C., Wallace—Water and Sewer—City, A. J. Blanton, Mayor, voted \$75,000 bonds; will receive bids soon for bonds.

N. C., Wilson—School—Wilson County Commrs., Temple H. Batton, Sec., receives bids Aug. 5 at office of Register of Deeds, for \$22,000 6% Saratoga Township School Dist. bonds.

N. C., Windsor—Street Improvement—Town, J. B. Davenport, Clk., receives bids July 21 for \$50,000 6% \$1000 denom. bonds.

Okla., Duncan—Water Improvement—City votes July 18 on \$110,000 bonds. Address City Clk.

Okla., Wewoka—School—Board of Education contemplates \$125,000 bond election.

S. C., Ridgeland—Road—Jasper County Roads Comm., M. F. Gray, Chmn., receives bids Aug. 3 for \$40,000 6% bonds.

S. C., Spartanburg—Municipal Improvement—City contemplates \$1,000,000 bond election: \$700,000, street and sidewalk improvement; \$75,000, sewerage extension; \$60,000, additional fire protection; \$75,000, incinerator. Address City Clk.

Tenn., Athens—Road—McMinn County Commrs. contemplate \$60,000 bond issue.

Tenn., Benton—Road—Polk County Commissioners contemplate \$200,000 bond issue.

Tenn., Cleveland—Road—Bradley County defeated \$50,000 bond issue. Address County Commrs.*

Tenn., Covington—School—City voted \$25,000 bonds. Address School Board.*

Tenn., Dayton—School Indebtedness—Rhea County voted \$312,000 bonds. Address County Commrs.*

Tenn., Dresden—Road—Weakley County contemplates bond issue. Address County Commrs.

Tenn., East Lake, Branch of Chattanooga—Fire Protection, Sewer—City plans \$500,000 bond election. Address City Clk.

Tenn., Franklin—School—Board of Aldermen will call election Aug. 8 on \$100,000 bonds.

Tenn., Huntingdon—Road—Carroll County contemplates bond election. Address County Commrs.

Tenn., Jackson—Street Paving—City, R. L. Balch, Recorder, receives bids July 21 for \$149,000 4¼% bonds; Lawrence Taylor, Mayor.

Tenn., Jonesboro—School—Town votes Aug. 8 on \$50,000 6% bonds. Address Town Clk.

Tenn., Linden—School—City voted \$10,000 bonds. Address Board of Trstees.

Tenn., Maynardville—Road—Union County Commrs. will sell \$10,000 bonds.

Tenn., McMinnville—Municipal Improvement—Board of Aldermen will call election Aug. 8 on \$200,000 bonds; \$75,000, street improvement; \$65,000, water works improvement; \$65,000, high school.

Tenn., Rutledge—Road—Grainger County voted \$50,000 bonds. Address County Commissioners.

Tenn., Trezevant—Electric Light and Water Plant—City, J. Gardner Holmes, Mayor, plans selling \$35,000 bonds.*

Tex., Bastrop—Road—Bastrop County, E. H. Perkins, County Judge, will call election July 25 on \$25,000 bonds.

Tex., Brownsville—Flood Prevention and Control—Cameron County Commrs. will call election Aug. 21 on \$1,500,000 bonds.

Tex., Cotulla—Irrigation—La Salle County Board of Suprvs. plans calling election in Aug. on \$5,000,000 Cotulla Irrigation Dist. bonds; Nagle, Witt, Rollins Engineering Co., Keystone Bldg., Houston; 1304 Santa Fe Bldg., Dallas.*

Tex., Orange—School—McLewie Common School Dist. voted \$10,000 bonds. Address Pres. School Board.

Tex., Plano—Street Paving—City, G. Hudson, Sec., will call election July 21 on \$50,000 bonds.

Tex., Richardson—Water Works—City, T. F. McKamy, Mayor, plans bond election.

Tex., Stephenville—Road—Erath County voted \$75,000 Road Dist. No. 5 bonds; T. P. Young, County Judge.

Tex., Tahoka—Road—Lynn County defeated \$500,000 bond issue; C. H. Cain, County Judge.*

Va., Amherst—Water Improvement—Town, L. H. Shrader, Clk., receives bids July 18 for \$35,000 to \$40,000 6% bonds.

W. Va., Charleston—Road-Bridge—Kanawha County, Charleston Dist., voted \$200,000 road bonds; defeated \$1,750,000 bridge bonds. Address County Commrs.

W. Va., Charleston—Bridge—City, W. W. Wertz, Mayor, will call election Aug. 11 on \$145,000 bonds.*

(Continued on page 124.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Older Than The United States

THE Bank of New York, now the Bank of New York and Trust Company, was organized by Alexander Hamilton in 1784, and was well started in business when the Constitution of the United States was adopted. The first loan to the new United States Government was made in 1789 by the Bank of New York.

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CAPITAL, \$1,000,000

FINANCIAL NEWS

(Continued from page 122.)

W. Va., Glenville—Road and Bridge—Gillmer County, Troy Dist., votes Aug. 5 on \$180,000 bonds. Address County Commrs.*

W. Va., Milton—School—City defeated \$90,000 Grant Dist. bonds; Miss Virginia Foulk, County Supt. of Schools.*

W. Va., Morgantown—Indebtedness—City votes Aug. 6 on \$400,000 bonds. Address City Clk.

W. Va., Wayne—Road—Wayne County, Butler Dist., contemplates \$200,000 bond election. Address County Commrs.

Bond Issues Sold

Ala., Florence—Sewer-Paving—City Commrs. sold \$34,000 bonds to Caldwell & Co., Nashville, at par, plus accrued interest.*

Ark., Little Rock—Indebtedness—Pulaski County Commrs. sold \$350,000 bonds to I. B. Tigrett, Jackson, Tenn., premium of \$1435.

Fla., Bradenton—Road and Bridge—Manatee County Commrs. sold \$1,000,000 bonds to Florida National Bank of Jacksonville, at premium of \$3150.

Fla., Madison—Madison County Commrs., D. F. Burnett, Jr., Clk., sold \$75,000 6% time warrants to Atlantic National Bank, Jacksonville, for par, accrued interest and premium of \$100.*

Fla., Stuart—City sold \$100,000 bonds through Farmers Bank & Trust Co. of West Palm Beach, at premium of \$7500, including accrued interest.

Fla., St. Cloud—Municipal Improvement—City sold \$500,000 5% coupon bonds to Seasongood & Mayer, 204 Ingalls Bldg., Cincinnati, at discount of \$14,915.*

Ga., Atlanta—Improvement—City, R. Graham West, City Comptroller, sold \$90,000 4½% bonds to Bell, Speas & Co., Atlanta, for \$91,611.*

Miss., Bay St. Louis—Bridge—Hancock County sold \$122,500 bonds to Merchants' Bank & Trust Co. of Jackson, Miss.

Miss., Gulfport—Bridge—Harrison County Board of Supvs. sold \$227,500 bonds to Hibernia Securities Co., New Orleans.*

Miss., Houston—Road—Chickasaw County Commrs., Beat One, voted \$50,000 bonds; sold bonds to Central State Bank of Memphis, at premium.

Miss., Long Beach—School—City sold \$45,000 6% bonds to Bank of Gulfport, Gulfport.

Mo., Kansas City—School—City sold \$1,000,000 4½% bonds to syndicate composed of First Trust & Savings Bank, 68 W. Monroe St., and Stevenson, Perry, Stacy & Co., 105 S. LaSalle, both of Chicago; Prescott, Wright & Snyder, 918 Baltimore Ave., Kansas City, at 104.

N. C., Clarkton—Electric Light & Power—City, A. C. Johnston, Mayor, sold \$9000 6% bonds to Durfee, Niles & Co., Toledo, at \$9092 and accrued interest.*

N. C., Elizabethtown—Electric Light and Power—Town, W. A. Ferguson, Clk., sold \$9000 6% bonds to Durfee, Niles & Co., Toledo, at \$9156 and accrued interest.*

N. C., Gibsonville—Water Extension—City, John W. Boring, Clk., sold \$10,000 5½% bonds to Bruce Craven, Trinity, at par.

N. C., Highlands—Water Works—City sold \$45,000 6% coupon bonds to Prudden & Co., Toledo, at premium of \$1367.

N. C., Winston-Salem—Public Improvement—City sold \$2,590,000 bonds to Wachovia Bank & Trust Co. and its correspondents, at premium of \$44,366.

Okla., Okemah—Water—City sold \$200,000 bonds to Calvert & Canfield, 1st Natl. Bank Bldg., Oklahoma City.

S. C., Spartanburg—School—Spartanburg County sold \$100,000 5% notes to A. M. Law & Co., Allen & Law Bldg., and Harris, Forbes & Co., at par and premium of \$525.

Tenn., Blountville—Highway—Sullivan County Commrs. sold \$17,000 5% bonds to Joe B. Palmer & Co., Stahlman Bldg., Nashville, at premium of \$752.*

Tenn., Jamestown—School—Fentress County Board of Trust, C. L. Hurst, County Court Clk., sold \$75,000 6% bonds to Bank of Jamestown at premium of \$10,000.*

Tenn., Murfreesboro—Road—Rutherford County sold \$85,000 bonds to Caldwell & Co., Nashville, at premium of \$1018.

Tex., Beaumont—School—French School Board sold \$35,000 bonds to H. C. Burt & Co., 718 McKinney St., Houston, at \$555 above par and accrued interest.

Tex., Fort Hancock—School—Hudspeth County Commrs., Sierra Blanca, sold \$30,000 5½% Common School Dist. No. 3 bonds to Blanton Banking Co., Scanlon Bldg., Houston, at premium of \$900.

W. Va., Charleston—Kanawha County Court sold to Mayer & Co., 318 Walnut St., Cincinnati, \$91,000 Sewell Mountain Dist. bonds at par, accrued interest and premium of \$952, and \$252,000 Kanawha Dist. bonds at par, accrued interest and premium of \$3,016.

Building and Loan Associations

Fla., Bradenton—Manatee County Building & Loan Assn., A. M. Garrison, Pres., plans increasing capital, \$500,000 to \$2,500,000.

Fla., Tampa—Hillsborough County Building & Loan Assn., 107 Zack St., incorporated; Dr. Ham S. Hampton, Beach Park, Pres.; S. E. Stricklin, Sec.

Fla., Tampa—Florida State Savings Assn., capital \$100,000, incorporated; B. L. Hammer, Pres., Citrus Exchange Bldg.

Md., Baltimore—Silverton Building & Loan Assn., 500 Equitable Bldg., capital \$500,000, incorporated; Harry Roberts, Jacob Taylor.

S. C., Newberry—Security Loan & Investment Co. plans establishing Community Building & Loan Assn.

Tenn., Chattanooga—Tennessee Mutual Building & Loan Assn., W. S. Beck, 6 W. Mississippi Ave., plans increasing capital, \$2,000,000 to \$5,000,000.

Tex., Dallas—Prudential Building & Loan Assn., 308 Murphy St., plans increasing capital, \$5,000,000 to \$10,000,000.

New Financial Corporations

Fla., Eustis—Bankers Mortgage Co. of Lake County, capital \$50,000, incorporated; A. D. Miller, Pres.; G. A. Pierce, Sec.-Treas.

Fla., Fort Myers—Pavese Investment Co., capital \$50,000, incorporated; Rocco Pavese, Pres.; J. W. Pavese, Sec.-Treas.

Fla., Jacksonville—Safety Investment Co. of Florida, capital \$25,000, incorporated; J. B. Danese, 429 Williams St.

Fla., Miami—Hardee Investment Co., capital \$50,000, incorporated; M. C. Hardee, Pres., 1756 N. Bayshore Drive.

Fla., Miami—Interstate Investment Corp., capital \$200,000, incorporated; C. A. Glivum, Pres.; George R. Walker, Sec., 843 N. W. First St.

Fla., Miami—Reynolds-Woods Investment Co., capital \$100,000, incorporated; O. M. Woods, Pres.; James C. Reynolds, Sec.-Treas., 21 N. W. 11th Ter.

Fla., Miami—Security Bond & Investment Co., capital \$50,000, incorporated; J. C. Foy, Pres.; Olen B. Clements, Sec.

Fla., Miami—Silver Bluff Bank, capital \$50,000, chartered; R. A. Hendricks, Lautier Bldg., interested.

Fla., Miami—Vaughn Investment Co., capital \$25,000, incorporated; C. B. Merritt, L. A. Mayfield.

Fla., Miami—Biscayne Bond & Securities Corp., 226 Johnson-Moffatt Bldg., capital \$450,000, incorporated; W. R. Becker, Sec.-Treas., 1837 N. W. 18th Terrace.*

Fla., Miami—Grayson Investment Co., capital \$25,000, incorporated; D. J. Dooley, 203 Ralston Bldg.

Fla., Miami—Pittsburgh-Florida Investment Co., capital \$50,000, incorporated; Mary L. Hunter, Sec., 20 Collins Ave.

Fla., Orlando—Pinellas Credit Assn., capital \$10,000, incorporated; A. E. Dickson, 101 E. Colonial Drive.

Fla., Tampa—Investment Co. of Hardee County Corp., capital \$20,000, incorporated; A. H. Smith, Lucas Bldg.

Fla., Tampa—Parrish Investment Co., incorporated; E. J. Rutishauser, L. A. Wilson, 708 S. Edison Ave.

Md., Baltimore—Corporation Bond Co. of Maryland, Maryland Trust Bldg., organized; Robert S. Mooney, Pres.; A. S. Goldsborough, Sec.-Treas., 22 Light St.

Md., Baltimore—Goodman Mortgage Corp., 918 Munsey Bldg., capital \$100,000, incorporated; Benjamin Schwartz, Joseph Colvin.

Miss., Gulfport—Gulf Cities Investment Co., capital \$25,000, incorporated; W. C. Dunham, T. J. Fischer.

Miss., Meridian—Merchants Credit Assn., incorporated; C. R. Gillespie, E. B. Irwin.

Miss., Pocatontas—Pocatontas Bank, capital \$10,000, incorporated; E. K. Middleton, J. R. Lane.

Miss., Vicksburg—Morgan Plan Co., capital \$50,000, incorporated; C. V. Bressler, P. M. Lohman.*

Mo., Kansas City—Harkless Mortgage Co., capital \$20,000, incorporated; Jas. H. Harkless, Sr., 1000 Grand Ave. Temple.

Mo., St. Louis—Modern Loan & Investment Co., incorporated; Walter C. Meyer, 8316 Minnesota St.

Mo., St. Louis—Geo. S. Jackman & Co., incorporated; W. S. Parker, 1418 Rankin St.

Mo., St. Louis—Commonwealth Bond Corp., incorporated; Allan Robinson, Pres.; N. F. Korbet, Sec.

Okla., Ardmore—General Finance Corp., capital \$10,000, incorporated; T. E. Thornton, Ardmore; I. L. Hulsey, Okmulgee.

Okla., Tulsa—Phoenix Mortgage Co., capital \$25,000, incorporated; C. A. King, J. L. Coffman, both Nowata.

Tenn., Knoxville—Morris Plan Securities Corp., organized; Arthur J. Morris, Pres.

Tex., Conroe—Conroe State Bank plans increasing capital, \$40,000 to \$50,000.

Tex., Dallas—Imperial Finance Co., capital \$10,000, incorporated; C. R. Holland, 291 Maple St.

Va., Abingdon—Florida-Virginia Investment Corp., capital \$50,000, incorporated; R. C. Copenhaver, Pres.; E. W. Potts, Sec.

Marx & Co., investment bankers, Birmingham, Ala., have just published a circular concerning several issues of municipal bonds they are offering to the public and which include highway and bridge bonds of the state of Alabama; courthouse, hospital, school, road and other bonds of Jefferson County, Ala.; paving, water and sewer bonds of the city of Cocoa, Fla., and school bonds of Vero District, St. Lucie County, Fla. Financial particulars are given.

A brief history of the new textile product, rayon, has been prepared and issued in the form of a small book by Green, Ellis & Anderson, investments, 100 Broadway, New York. The remarkable success of this new product since its recent development makes this publication particularly welcome. It is stated that 140,000,000 pounds of the material were sold in 1924. The book also contains a sketch of the natural silk industry. The publication is copyrighted.

Book Review

Advertising Procedure. By Otto Kleppner. M. C. S. New York: Prentice-Hall, Inc. 1925. Cloth. Pp. 539. \$5.00.

This volume treats of advertising as considered from the viewpoint of actual procedure and its departure from the usual course of literature upon the subject is therefore quite refreshing. From its opening paragraph the author shows himself to be practical, specific and right to the point, saying something new and dealing with advertising as a method which may serve for a business that is trying to increase its sales. It introduces the "advertising spiral" and makes its operation clear by evidence from concrete cases, generously cited throughout the book. Among the particularly helpful features in the volume are three comparison charts, one for the protection of advertising ideas, a second for paper stocks and the third for photo-engraving. Each tells an important story at a glance. The contents are divided into four major parts and there are a total of twenty-four chapters. There is also a glossary of procedure, advertising abbreviations, reading suggestions and bibliography, and an appendix of useful tables, besides the index. There are appropriate and valuable illustrations.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

12 MONTHS TO PAY For Machinery and Equipment At an Interest Cost Less than the Usual Discount for Cash

Dealers or Individual Purchasers are invited to write for details

THE MORRIS PLAN BANK

Richmond, Petersburg, Newport News
VIRGINIA

Raleigh, Greensboro, Winston-Salem
NORTH CAROLINA

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

MARX AND CO.

Brown-Marx Bldg. Birmingham, Ala.

RAILROAD, PUBLIC UTILITY and INDUSTRIAL BONDS

Entire Issues Bought

ROGER B. WILLIAMS, Jr. & CO.

Investments Bonds

67 Wall Street New York

FIRST MORTGAGE REAL ESTATE BONDS

We finance the erection of apartments, office buildings and other business property, through purchase of first mortgage bond issues, in amounts of \$50,000 to \$200,000. Larger loans for construction and on completed buildings negotiated through our New York connections.

BRANNAN, BECKHAM & COMPANY

Wynne-Claughton Bldg. Atlanta, Georgia

WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

M. W. ELKINS & CO.

Southern Trust Bldg. Little Rock, Ark.

HAVE YOU BONDS FOR SALE?

WE BUY ALL CLASSES OF MUNICIPAL BONDS,
INCLUDING CITY, COUNTY, SCHOOL,
PAVING, ROAD AND DRAINAGE

The Hanchett Bond Co. Inc.

39 SOUTH LA SALLE ST., CHICAGO

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

A.C. ALLYN AND COMPANY

67 W. Monroe St., Chicago, Ill.
New York Milwaukee Minneapolis Boston

JOHN NUVEEN & CO.

First National Bank Building CHICAGO

We purchase SCHOOL, COUNTY and MUNICIPAL BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale

We Buy Bonds City, County, School and Road from Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

How many of the Outstanding Facts about the South do you know?

The Blue Book of Southern Progress for 1925 contains many facts and figures which show the amazing progress of the South. It is full of information which every Southern man and woman should know because they are Southern and, therefore, must for all time be identified with the history of their section. This information is at the same time of equal interest to business men of other sections who desire to know about the South, what it is doing, what it has and what its future is destined to be.

Single Copies 50c

MANUFACTURERS RECORD
BALTIMORE, MD.

LOANS TO STATES, COUNTIES AND CITIES

Municipal Bonds

EYER & CO.

Established 1907

Correspondence Invited

46 Cedar Street New York City

WE ARE MUNICIPAL BOND BUYERS

"Always In The Market"

The Weil, Roth & Irving Co.
Dixie Terminal Bldg. Cincinnati, O.

Macon, Georgia

Offers Wonderful Manufacturing Opportunities

An abundant supply of raw materials; excellent transportation facilities to steamship lines and, by means of five railroads, Macon has connection with all points over the Eastern half of the United States.

The centralized location of Macon offers a minimum of freight rates to consumers. This city is in the center of the Georgia Famous Peach Belt, the richest agricultural section of the growing Southeast. The clay fields of Georgia are at Macon's door.

Manufacturers of furniture, pottery, also paper will find plenty of raw material in close proximity to Macon.

Exceptional opportunities offered for the establishment of textile mills.

Cheap hydro-electric power affords economic operation of factories and a plentiful supply of skilled and common labor provides for large industrial expansion.

Ideal sites for location of new industries are reasonable and Macon is considering tax exemption to new industries for a period of five years.

Our engineers will gladly furnish other reasons why **MACON IS THE LOGICAL LOCATION**

Address: M. D. AINSWORTH, Mgr.

CHAMBER OF COMMERCE
MACON GEORGIA

Bond, Stock and Security Issues

engraved or printed
as you want them

We have specialized on this work for more than 40 years, and can furnish highest credentials as to character and quality of work and absolute responsibility. Let us send samples and quote on your requirements.

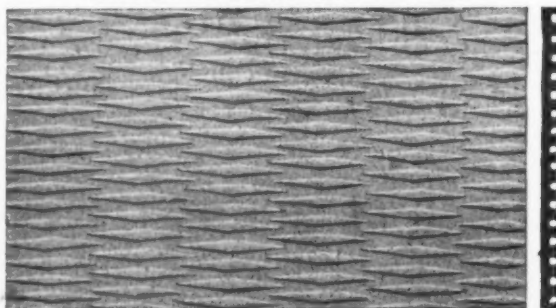
Security Bank Note Company
PHILADELPHIA NEW YORK
223-5-7 Chestnut St. 20 Broad St.

The Oscar T. Smith Company

Manufacturing Bank Stationers
407-9-11 E. SARATOGA STREET
BALTIMORE, MD.

OSCAR T. SMITH
President

Rolled Steel "NEVERSLIP" Floor Plates RAISED DIAMOND DIAMOND and RIBBED PATTERN



AMERICAN PRESSED STEEL CO., Philadelphia, Pa.

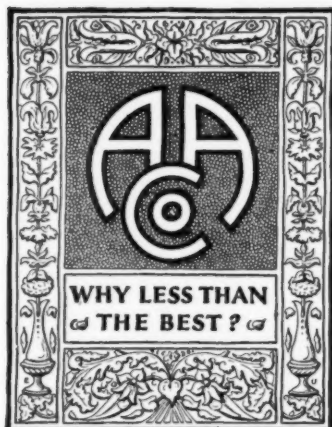
Mr. R. E. Simpson, General Manager, Southern Railway System, Charlotte, N. C., in writing about

"THE SOUTH'S DEVELOPMENT"

a special publication issued by the
Manufacturers Record,

Says: "It certainly contains information never before published, and having in mind your past interest in the development of the South as well as your present, it should work wonders in causing the development of the resources of the land below the Mason and Dixon line to be more extensively used. The South's Development you so kindly sent me will be carefully read and placed in the archives for immediate use and reference."

"First of all we must know
what we need to know."



Only One Iron in the Fire for Twenty-Nine Years

The American Appraisal Company has always specialized on one service to American business—that of making incontrovertible, unbiased appraisals of property. In so doing, it has made a large part of the history of authoritative appraisal work in this country.

Today, The American Appraisal Company offers to business men a trained, efficient organization of sufficient size to perform rapidly and accurately the largest valuation contracts that industry may require; of sufficient mobility to concentrate speedily a seasoned force in any section of this country; yet of such painstaking thoroughness that even the smallest contract is under executive supervision.

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American Appraisal
pamphlets

R-77 "What Is Your
Plant Worth?"

R-727 "Appraisals
and the Profit and
Loss Statement"

R-726 "Industrial
Appraisals and In-
surance"

CONTRACTORS AND BUILDERS TAKE NOTICE !!

**100 MORE HOTELS
and
300 MORE APARTMENT HOUSES
NEEDED NOW**

**at
MIAMI BEACH
FLORIDA**

All can be sold or rented by January, 1926

Even now hundreds of apartment and home seekers are being turned away every day from Miami Beach.

Every available hotel room and apartment is occupied and for each there is a waiting list.

The Pancoast Hotel on the ocean front and other resort hotels and fashionable apartments which ordinarily are not opened until after Christmas already are filled and in some cases turning guests away.

Miami Beach is experiencing the

most startling advances in building in all history.

Building permits for first ten days of July, \$1,554,275.

There are more people in Miami Beach NOW than at the peak of any winter season.

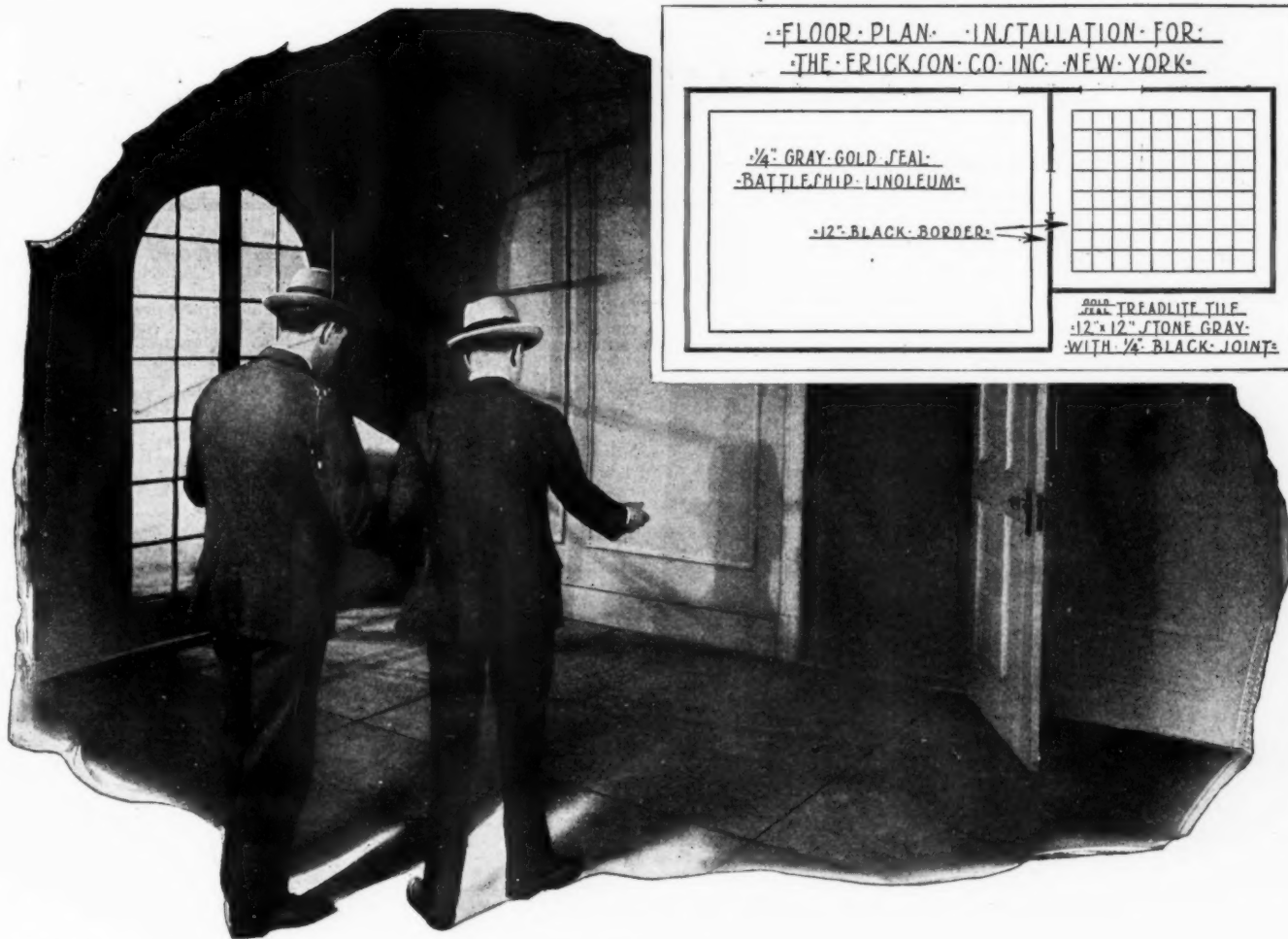
New Hotels and Apartments are being erected but not half enough to accommodate the people flocking here. There is work for everybody in the building line and contractors are urged to bring their workers here with them.

FOR FURTHER INFORMATION

Write or Wire

Miami Beach Chamber of Commerce

CHAS. W. CHASE, Secretary



Expert cooperation on floors—

The Bonded Floors representative will give you the facts on resilient floors. Moreover, his counsel is unbiased—he has no special cause to plead. Since the Bonded Floors Company supplies and installs various types of resilient floors, his sole interest is to help you find the *right* floor for your particular purpose.

For office, store, restaurant, club, church, institution or home, the Bonded Floors man can show you comfortable, durable floors—from solid-colored *Gold-Seal Battleship Linoleum* to colorful floors of resilient tile.

Back of the Bonded Floors representative stands a nation-wide organization—ready to tackle any job anywhere, no matter how large

or how small; ready to install highest-quality materials with scientific skill; ready to back the workmanship and materials with a Surety Bond, issued by U. S. Fidelity & Guaranty Co.

Our business is resilient floors—and resilient floors only. We know our background of specialized experience and our organization of flooring engineers can be of assistance to you when you plan your floors.

BONDED FLOORS COMPANY, INC.

Division of Congoleum-Nairn Inc.

New York • Boston • Philadelphia • Cleveland • Detroit
 Chicago • Kansas City • San Francisco • Los Angeles

Southern Contracting Distributors

W. A. LIPPINCOTT, Inc.
 173 Spring Street, Atlanta, Georgia

S. W. NICHOLS CO.
 2116 Jackson Street, Dallas, Texas

BONDED FLOORS

Resilient Floors  *for Every Need*



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 4, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. August 4, 1925, and then opened, for furnishing and installing metal doors in Oil Circuit Breaker Building at Wilson Dam. Further information on application.

Bids close August 5, 1925.

U. S. ENGINEER OFFICE, Baltimore, Md. Sealed proposals will be received here until 1 P. M. Eastern Standard Time, August 5, 1925, and then opened, for dredging in Baltimore Harbor and Channels, Maryland. Further information on application.

Bids close July 20, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. July 20, 1925, and then opened, for furnishing and erecting a Gantry Crane on Spillway section of Wilson Dam. Further information on application.

Bids close July 22, 1925.

U. S. ENGINEER OFFICE, Mobile, Ala. Sealed proposals will be received here until 11 A. M. July 22, 1925, and then publicly opened, for the 12-inch hydraulic pipe line U. S. dredge "Charles Humphreys"; length over all, 129 ft. 9 in.; moulded beam, 32 ft.; depth, 8 ft. 4 in.; condition, fair; also two quarterboats, length over all, 75 ft. 6 in.; moulded beam, 22 ft. 6 in.; depth, 5 ft. 2 in. Further information on application.

Bids close August 4, 1925.

SEALED PROPOSALS, marked "Proposals for Construction of Buildings and Utilities," will be received by the U. S. Veterans Bureau, Room 791, Arlington Building, Washington, D. C. until 11.00 A. M. August 4, 1925, and then and there publicly opened for the construction, complete, of Infirmary Building No. 2; two Semi-Ambulant Buildings Nos. 1 and 3; Nurses Quarters No. 4; Ice-making and Refrigerating Plant No. 5; Storehouse No. 6; Additions to Boiler House No. 7; Concrete Stack, Corridor between buildings, also Roads, Walks and Grading to be built by U. S. Veterans Bureau on property occupied by the National Home for Disabled Volunteer Soldiers, Battle Mountain Sanitarium, Hot Springs, South Dakota. This work will include reinforced concrete construction, hollow tile, brickwork, gypsum partitions, sand stone for broken rubble exterior walls, also cut stone work, mastic flooring, marble work, tile floors and wainscots, ironwork, steel and wood sash, Spanish tile, slate and built-up roofing, roof ventilators, metal lathing, plastering, stuccoing, carpentry, hardware, painting, glazing, roads, walks and grading, plumbing, heating and electrical work, electric elevators, refrigerating plant and outside service connections. SEPARATE PROPOSALS will be received for Building Construction, Plumbing, Heating, Electrical Work, Elevators, Ice-making and Refrigerating Plant and Concrete Stack, all as set forth on proposal sheet. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract and in making awards, the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$100 payable to the TREASURER OF THE UNITED STATES is required as security for safe return of the drawings and specifications within ten days after date of opening proposals. FRANK T. HINES, Director. June 27, 1925.

RATE: 35 cents per line per insertion. PUBLICATION DAY: Thursday. FORMS CLOSE: 4 P. M. Monday. DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD: Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest. The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements. The same rate applies—35 cents per line per insertion.

Bids close July 21, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. July 21, 1925, and then opened, for furnishing and delivering structural steel lock gates, including fittings, castings, etc., for Dam No. 1, Tennessee River, and for the erection of the gates. Further information on application.

Bids close July 23, 1925.

UNITED STATES ENGINEER OFFICE, Montgomery, Ala. SEALED PROPOSALS will be received here until 12 o'clock Noon, July 23, 1925 and then opened, for removing wreck of barge Avio, in St. Josephs Bay, Fla., and wreck of the schooner Alpena, in St. Andrews Bay, Fla. Further information on application.

Bids close August 5, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C. July 9, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. August 5, 1925, for remodeling at the U. S. Marine Hospital, Savannah, Ga. Drawings and specifications may be obtained from the Medical Officer in charge of the U. S. Marine Hospital, Savannah, Ga., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 6, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C. July 9, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. August 6, 1925, for remodeling and enlarging, including incidental changes in the mechanical equipment of the United States Postoffice at Bessemer, Ala. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 27, 1925.

\$3,435,000 Road and Bridge Bonds

Tavares, Fla.

Notice is hereby given that the Board of County Commissioners of Lake County, Florida, will receive sealed proposals, at the office of the Clerk of said Board, at Tavares, until twelve o'clock noon on the 27th day of July 1925, for the purchase of all or any part of the following described bonds:

Bonds of Special Road and Bridge District Number Seven of Lake County, Florida, amount Seven Hundred and Fifty Thousand Dollars (\$750,000), dated first day of July, 1925, and maturing as follows: Two Hundred and Fifty Thousand Dollars (\$250,000) on the first day of July, A. D. 1935; Two Hundred and Fifty Thousand Dollars (\$250,000) on the first day of July, A. D. 1945; Two Hundred and Fifty Thousand Dollars (\$250,000) on the first day of July, A. D., 1955, with interest at six per cent

(6%) per annum, payable semi-annually on January first and July first, principal and interest payable at the American Exchange National Bank of New York in gold.

The following bonds of Special Road and Bridge District Number Nine of Lake County, Florida, amount Nine Hundred Thousand Dollars (\$900,000), payable as follows:

Three Hundred Thousand Dollars (\$300,000) on the first day of July, A. D. 1935; Three Hundred Thousand Dollars (\$300,000) on the first day of July, A. D. 1945, and Three Hundred Thousand Dollars (\$300,000) on the first day of July, A. D. 1955.

The following bonds of Special Road and Bridge District Number Eight of Lake County, Florida, amount Nine Hundred and Eighty-five Thousand Dollars (\$985,000), payable as follows:

Three Hundred and Twenty-five Thousand Dollars (\$325,000) on the first day of July, A. D. 1935; Three Hundred and Twenty-five Thousand Dollars (\$325,000) on the first day of July, A. D. 1945, and Three Hundred and Thirty-five Thousand Dollars (\$335,000) on the first day of July, A. D. 1955.

The following bonds of Special Road and Bridge District Number Ten of Lake County, Florida, amount Six Hundred and Fifty Thousand Dollars (\$650,000), maturing as follows:

Two Hundred and Fifteen Thousand Dollars (\$215,000) on the first day of July, A. D. 1935; Two Hundred and Fifteen Thousand Dollars (\$215,000) on the first day of July, A. D. 1945, and Two Hundred and Twenty Thousand Dollars (\$220,000) on the first day of July, A. D. 1955.

All of said bonds being in the denomination of One Thousand Dollars (\$1000) each, bearing interest at six per cent (6%) per annum, payable semi-annually. The bonds of Special Road and Bridge Districts Number Eight, Nine and Ten being payable at the National Bank of Commerce of New York, New York, N. Y., in Gold Coin.

Also, One Hundred and Fifty Thousand Dollars (\$150,000) of bonds of Lake County, Florida, known as "Astor Bridge Bonds," in the denomination of One Thousand Dollars (\$1000) each, bearing interest at five and one half per cent (5½%) per annum, payable semi-annually at the National Bank of Commerce of New York, New York, N. Y. Said bonds maturing as follows:

Fifty Thousand Dollars (\$50,000) on the first day of July, A. D. 1930; Fifty Thousand Dollars (\$50,000) on the first day of July, A. D. 1935, and Fifty Thousand Dollars (\$50,000) on the first day of July, A. D. 1940.

Separate Bids for each issue must be made.

The bonds have been or will be validated by the Decree of the Circuit Court of Lake County, Florida. Bids are desired on forms which will be furnished by the undersigned, and must be accompanied by certified check upon an incorporated Bank or Trust Company, payable to the order of the Chairman of the Board of County Commissioners for two per cent of the par value of the bonds bid for, and must be enclosed in sealed envelopes, endorsed "Bids for Road and Bridge Bonds of Lake County, Florida," and addressed to the Board of County Commissioners of Lake County, Florida, in care of T. C. Smyth, Clerk, Tavares, Florida. The right is reserved to reject any and all bids. The legality of the bonds will be examined by Messrs. Caldwell & Raymond of New York, N. Y., whose approved opinion will be furnished to the purchaser without charge. The bonds will be delivered at Tavares or in New York, N. Y., as the purchaser may elect, within a reasonable time after same are purchased.

For further information address the undersigned at Tavares, Florida.

T. C. SMYTH, Clerk,
Board of County Commissioners,
of Lake County, Florida.

Bids close August 7, 1925.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 13, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., August 7, 1925, for a Nurses' Call System at the U. S. Marine Hospital, Baltimore, Md. Drawings and specifications may be obtained from the Officer in charge of the Station, or at this Office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close July 29, 1925.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 9, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. July 29, 1925, for extension of fire protection, mechanical equipment, heating old wards, etc., at the U. S. Marine Hospital, Baltimore, Md. Drawing and specifications may be obtained from the Officer in Charge, Baltimore, Md., or from this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 23, 1925.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 2, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. July 23, 1925, for waterproofing exterior brick-faced walls of the United States Custom House, Appraiser's Stores and Courthouse, Wilmington, N. C. Specifications may be obtained from the Custodian at Wilmington, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 3, 1925.

\$40,000 6% Road Bonds

Ridgeland, S. C.

Notice is hereby given that the Jasper County Roads Commission will receive bids at the office of H. Klugh Purdy, Ridgeland, S. C., until 12 o'clock noon on August 3, 1925, for \$40,000 Jasper County road bonds. Dated April 1, 1925; mature \$2000 each year, commencing April 1, 1927, six per cent interest. A certified check for \$1000, payable to M. F. Gray, Chairman, must accompany each bid. Commission reserves right to reject any and all bids.

M. F. GRAY, Chairman.

Dated July 7, 1925.

Bids close August 3, 1925.

\$120,000 6% Time Warrants

Notice is hereby given that the Board of Public Instruction of Hamilton County, Florida, will receive bids up to 10 o'clock A. M. Monday, August 3, 1925, for interest-bearing time warrants in the sum of eighty thousand dollars on Special Tax School District Number (1) one, known as Jasper School District, and in the sum of forty thousand dollars for Special Tax School District Number (3) three, known as Jennings District; warrants in denominations of One Thousand Dollars each, warrants bearing interest at the rate of six per cent per annum, interest coupons payable semi-annually. Warrants run from three (3) to thirty (30) years; warrants issued under an Act of Legislature and validated by Act of the Legislature.

All bids must be accompanied by a cashier's check for ten per cent of the amount of bid. Bids may be for all or any part of said warrants. The Board reserves the right to reject any or all bids.

W. W. BRADSHAW,

Secretary Board of Public Instruction,
Jasper, Florida.

Bids close July 22, 1925.

Bridge Construction

Fort Pierce, Fla., June 29, 1925.

The Mayor and Board of City Commissioners of Fort Pierce, Florida, will receive sealed proposals until eleven o'clock A. M. on the twenty-second day of July, 1925, at the office of the City Manager, Fort Pierce, Florida, at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of two concrete, deck girder bridges, each of 30 ft. span. One bridge will be 40 feet in width between curb lines and one 36 feet in width between curb

Bids close July 23, 1925.

Road and Bridge Construction.

VIRGINIA STATE HIGHWAY COMMISSION.

Richmond, Va., July 3, 1925.

Sealed bids will be received at the office of the State Highway Commission, State Office Building, Capitol Square, Richmond, Va., until 10 A. M. Thursday, July 23, 1925, for construction of:

Route Number	35	36	32	11
Project Number	F-145E	F-167E	F-187	F-344C
County	Prince George	Clarke	Pr. Edward and Charlotte	Wise
Length in Miles.....	2.958,	2.30	4.810	1.505
Type	Concrete	Bit. Mac.	Soil	Bit. Mac.
Contractors will be shown over the work	10 A. M. July 15 Petersburg Hotel, in Petersburg	10 A. M. July 17 N. & W. Sta., Boyce, Va.	10.30 A. M. July 15 Highway Office, Farmville, Va.	12 Noon July 15, Hartsock Hotel, in Coeburn.

ITEMS AND APPROXIMATE UNIT QUANTITIES.

Acres, Clearing and Grubbing.....	3.75	1.70	12.52	0.84
Cu. Yds. Excavation	10,155	21,789	34,067	51,106
Cu. Yds. Borrow Excavation	5,867	1,768		
Cu. Yds. "A" Concrete	17.30	64.72	56.86	232.64
Cu. Yds. "B" Concrete	14.60	156.12	211.72	20.28
Lin. Ft. Pipe	330	495	902.5	490
Lin. Ft. Guard Rail	800	1912	2,183	3,360
Right-of-Way Monuments	22	50	54	38
Lbs. Reinforcing Steel.....	1,117	6,600	4,563	21,763
Sq. Yds. Concrete Pavement	31,255			
Sq. Yds. Bit. Macadam		24,520		16,134
Cu. Yds. Topsoil			11,495.9	

BRIDGES OVER 20-FOOT SPAN.

Cu. Yds. "A" Concrete	46.8		65.4	
Cu. Yds. "B" Concrete	138.6		211.8	
Lin. Ft. Piles.....	1,280		1,800	
Lbs. Reinforcing Steel.....	8,380		13,520	
Local District Offices.....	Richmond	Staunton	Lynchburg	Bristol
Shipping Point	Petersburg	Boyce	Farmville	Coeburn
Railroad	N. & W.	N. & W.	N. & W.	N. & W.

Proposal guaranty to be certified check to the amount of \$1000. Plans and specifications are on file at Richmond office, Richmond, Va., and at the local District offices. Road plans for bidders may be obtained from Richmond office upon receipt of \$5.00, payable to H. G. Shirley, \$2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened. The State Highway Commission reserves the right to reject any or all bids.

Bids close July 23, 1925.

Street Improvements

Sebring, Fla.

Sealed proposals will be received by the Mayor and Town Council of the Town of Sebring, Florida, at the Town Hall in Sebring, Florida, until One o'clock P. M. on the 28th day of July, 1925, and then opened and read in public, for furnishing all labor, materials, equipment and other things necessary for the construction of street paving and necessary appurtenances thereto.

The work will consist of the following approximate quantities:

17.0 Acres Clearing and Grubbing.
92,000 Cu. Yds. Excavation.
67,450 Lin. Ft. Concrete Curb and Gutter.
4200 Lin. Ft. 6 inches x 18 inches curb.
74,460 Sq. Yds. 6 inches Base, Ocala Limestone, Crystal River or Bartow Clay.
74,460 Sq. Yds. 2 inches Sheet asphalt, or Bituminous Concrete Topeka Type.
63 Catch Basins.
2800 Lin. Ft. 15 inches D. S. V. or Concrete pipe.
4550 Lin. Ft. 18 D. S. V. or Concrete pipe.
2450 Lin. Ft. 24 D. S. V. or Concrete pipe.
1600 Lin. Ft. 30 D. S. V. or Concrete pipe.

Proposals must be submitted on regular forms accompanying the specifications, and must be accompanied by a certified check or bidding bond for the amount of not less than five per cent of the amount bid drawn to the order of the Town of Sebring. Plans and specifications on file in the office of the Town Clerk may be examined there by prospective bidders. Copies of specifications and proposals blanks may be had from the Engineer by remitting five dollars. Copies of plans may be had upon application to the Engineer for twenty-five dollars per set. Consideration will be given bidders' experience in this class of work, financial standing, and reputation for having done successful work without controversy or litigation, and the Council reserves the right to reject any or all proposals or to accept or reject any part thereof or to waive technicalities as they may deem best for the interest of the Town.

A. E. LAWRENCE, Mayor,
A. M. WOLFE, Clerk.

JOE W. HAWKINS, Engineer.

Bids close August 3, 1925.

Road Construction

Fayetteville, W. Va.

Sealed proposals will be received by the County Court of Fayette County, W. Va., at the Courthouse in Fayetteville until 10 o'clock A. M. on the third day of August, 1925, and opened and read immediately thereafter, for the construction of the following county district road.

Project S. Mt. 52—4 miles of the Cliff-top Danese road for grading, draining and paving with bituminous Macadam. Certified check \$5000.

Proposals will be received only upon standard forms, in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the County Road Engineer at Fayetteville, W. Va.

Each proposal must be accompanied by a certified check in the amount specified.

The right is reserved to reject any and all proposals.

THE COUNTY COURT OF FAYETTE
COUNTY,

By THOMAS BOONE, Clerk.

Bids close August 6, 1925.

Street Improvements

Palmetto, Fla.

Sealed proposals on blank forms furnished by the City of Palmetto, Florida, and addressed to W. B. Kirby, Commissioner of Public Works, Palmetto, Florida, will be received until 12 o'clock noon Thursday, August 6, 1925, at the City Clerk's office of said city, for furnishing all materials, equipment and labor and performing the following work: GRADING, DRAINING, PAVING, CONSTRUCTING CULVERTS, STORM DRAINAGE, LAYING SEWER PIPES AND WATER PIPES, AND OTHERWISE IMPROVING A NUMBER OF STREETS IN THE CITY OF PALMETTO.

Bids may be for the whole or separate bids on each of the following classes, to wit: STORM SEWERS, SANITARY SEWERS, ALTERING OPEN DRAINS, STREET PAVING AND CURBING, WITH THE NECESSARY EXCAVATION AND GRADING IN EACH CASE.

Copies of the plans and specifications may be seen at the City Clerk's office or at the Resident Engineer's office, Palmetto, Florida, or a set will be sent to any address upon receipt of \$10.00.

W. B. KIRBY,

Commissioner of Public Works.

KIRBY & WEBB, Civil Engineers.

Bids close July 27, 1925.

Street Improvement

Clearwater, Fla.

Sealed bids will be received at the City Hall, Clearwater, Florida, until 7.30 P. M. July 27th, 1925, for furnishing and constructing street improvements in the said city.

Following are approximate quantities:
226,925 sq. yds. Florida Lime Rock base.
226,925 sq. yds. Paving.
210,000 cu. yds. Excavation.
142,000 lin. ft. combined curb and gutter.
100 Storm Inlets.

Bids will be received on the following types of paving:

Vitrified Brick.
Asphalt Block.
Portland Cement Concrete.
Bituminous Concrete.
Bituminous Macadam.

Each bid must be accompanied by a certified check for \$10,000.00, payable to the City of Clearwater, to insure making bond and entering contract.

The right is reserved to reject any and all bids and to increase or decrease any of the quantities specified.

Specifications are on file at the office of the City Manager, and may be obtained upon payment of \$5.00, which will be returned to bona fide bidders.

CHAS. F. MASON,

City Manager.

Bids close July 28, 1925.

Street Improvements

Sealed bids will be received by F. A. Crawford, City Clerk of Mayfield, Kentucky, at his office up to 9 o'clock A. M. July 28, 1925, for constructing street improvements in accordance with plans, profiles and specifications on file in the office of the City Clerk.

The work is divided into five sections, and the Council reserves the right to award each section separately or as a whole, or to reject any or all bids.

When filed with the Clerk, each bid must be accompanied by a Cashier's check on any bank in the amount of Four Thousand (\$4000) Dollars for each section bid upon. The check shall be made payable to the City Treasurer of Mayfield, Kentucky. Checks of unsuccessful bidders will be returned at the time their bids are rejected.

The following is the approximate list of quantities:

IMPROVEMENT DISTRICT (SECTION)

No. 1.

19,293 lin. ft. curb and gutter.
57,092 sq. yds. paving.
22,558 cu. yds. excavation.
281 lin. ft. header.
lin. ft. curb removed and replaced.
3,000 sq. ft. cross walks removed.

2,000 sq. yds. new gravel.
5,300 sq. yds. gravel scarified shaped and rolled.

490 lin. ft. 12-in. sewer.

210 lin. ft. 15-in. sewer.

50 lin. ft. 18-in. sewer.

340 lin. ft. 24-in. sewer.

20 inlets.

2 double inlets.

5 manholes.

227 cu. yds. class A concrete.

5,000 lin. ft. 1 1/4-in. Precalced cast-iron pipe, laid.

430 lin. ft. 2-in. Precalced cast-iron pipe, laid.

30 taps to mains, with goosenecks, etc.

IMPROVEMENT DISTRICT (SECTION)

No. 2.

31,846 lin. ft. curb and gutter.

53,086 sq. yds. paving.

25,174 cu. yds. excavation.

96 lin. ft. header.

1,750 lin. ft. curb removed and replaced.

4,000 sq. ft. cross walks removed.

5,500 sq. yds. new gravel.

40,100 sq. yds. gravel scarified, shaped and rolled.

40 lin. ft. 12-in. sewer.

8 inlets.

1 double inlet.

1 manhole.

415 cu. yds. class A concrete.

6,400 lin. ft. 1 1/4-in. Precalced cast-iron pipe laid.

490 lin. ft. 2-in. Precalced cast-iron pipe laid.

50 taps to mains, with goosenecks, etc.

IMPROVEMENT DISTRICT (SECTION)

No. 3.

33,349 lin. ft. curb and gutter.

73,028 sq. yds. paving.

32,031 cu. yds. excavation.

407 lin. ft. header.

1,720 lin. ft. curb removed and replaced.

5,000 sq. ft. cross walk removed.

6,000 sq. yds. new gravel.

25,100 sq. yds. gravel scarified, shaped and rolled.

190 lin. ft. 12-in. sewer.

20 lin. ft. 15-in. sewer.

190 lin. ft. 18-in. sewer.

100 lin. ft. 21-in. sewer.

17 inlets.

3 double inlets.

2 manholes.

240 cu. yds. class A concrete.

7 cu. yds. class C concrete.

400 lin. ft. 1 1/4-in. Precalced cast-iron pipe laid.

450 lin. ft. 2-in. Precalced cast-iron pipe laid.

50 taps to mains, with goosenecks, etc.

IMPROVEMENT DISTRICT (SECTION)

No. 4.

28,134 lin. ft. curb and gutter.

43,251 sq. yds. paving.

19,502 cu. yds. excavation.

439 lin. ft. header.

90 lin. ft. curb removed and replaced.

7,000 sq. yds. new gravel.

44,700 sq. yds. gravel scarified, shaped and rolled.

70 lin. ft. 12-in. sewer.

80 lin. ft. 15-in. sewer.

200 lin. ft. 18-in. sewer.

40 lin. ft. 21-in. sewer.

160 lin. ft. 24-in. sewer.

12 inlets.

2 double inlets.

2 manholes.

8 cu. yds. class A concrete.

5,500 lin. ft. 1 1/4-in. Precalced cast-iron pipe laid.

250 lin. ft. 2-in. Precalced cast-iron pipe laid.

40 taps to mains, with goosenecks, etc.

IMPROVEMENT DISTRICT (SECTION)

No. 5.

150 tons of binder for filling in depressions and shaping old street.

22,150 sq. yds. paving.

Specifications and forms, on which all bidders will be required to submit their bids, may be obtained from the City Clerk or the Engineers, Black and Veatch, Mutual Building, Kansas City, Missouri. Plans may be examined free of charge, either at the office of the City Clerk or the Engineers. Complete sets of plans may be obtained from the Engineers by making a deposit of Twenty-five (\$25) Dollars. Twelve Dollars of the amount will be refunded to unsuccessful bidders upon return of the plans in good condition within ten days from the day on which bids are received.

THE CITY OF MAYFIELD, KENTUCKY.

W. H. BRIZENDINE, Mayor.

F. A. CRAWFORD, City Clerk.

BLACK & VEATCH,

Mutual Building, Kansas City, Mo.

Bids close July 20, 1925.

Street Improvements

Clearwater, Fla.

Sealed bids will be received up to 7.30 P. M. July 20, 1925, at the City Hall, Clearwater, Florida, for repaving South Fort Harrison Avenue in the said city, from Jeffords street south to Bellevue Boulevard, together with necessary storm drains, curb and gutter, etc.

Approximate quantities are as follows:
13,660 sq. yds. pavement, brick or asphalt block.

6,650 lin. ft. concrete curb and gutter.

13,660 sq. yds. 6-in. limerock base.

Specifications are on file at the City Manager's office, and will be furnished upon deposit of \$5.00, which will be refunded upon their return in good condition. Certified bid check for Twenty-Five Hundred Dollars (\$2500) must accompany bid.

The city reserves the right to reject any and all bids.

CHAS. F. MASON, City Manager.

Bids close July 24, 1925.

Street Improvements

West Palm Beach, Fla.

Sealed bids will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 o'clock noon on July 24, 1925, for furnishing all labor and material and construction improvements in certain streets in accordance with plans on file in office of City Manager of said city. The amount of work will be approximately as follows:

78,000 cubic yards grading.

75,000 square yards sidewalk.

122,000 lineal feet concrete combined curb and gutter.

36,000 lineal feet concrete headers.

215 catch basins.

301,000 square yards paving.

10,000 lineal feet six-inch sewer.

6,000 lineal feet fifteen-inch sewer.

24 manholes.

Bids must be accompanied by certified check in the amount of sixty thousand (\$60,000) dollars, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding contract the successful bidder will enter into a written contract with the city and furnish acceptable bond in the amount of one hundred per cent of the amount bid, conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each bid must be sealed and addressed to the City Manager of the City of West Palm Beach, and shall be in the office of the City Clerk not later than 12 o'clock on the 24th day of July 1925.

Plans, specifications and blank proposals may be obtained at the office of the City Manager upon payment of a deposit of \$5.00, to be refunded upon receipt of bid or return of said plans and specifications. The City Commission reserves the right to reject any or all bids and to award the contract in the best interests of the City of West Palm Beach, Florida.

H. J. DAUGHERTY, City Clerk.

T. B. HENRY, City Engineer.

C. A. BINGHAM, City Manager.

Bids close July 22, 1925.

Water-Works Extension

Haines City, Fla.

Sealed proposals will be received by the City of Haines City, Florida, at the City Hall, until 1.30 o'clock P. M., on the 22d day of July, 1925, for the furnishing of materials, labor and laying complete the following water-works extension improvements:
23,000 lineal feet 6-inch cast iron pipe.

30 Hydrants, two-way, with steamer attachment.

30 Gate valves.

40 Tees.

12 Crosses.

6,000 lineal feet 2-inch gal. pipe and fittings.

Each bid must be accompanied by a certified check of not less than 5% of the amount bid. The right is reserved to reject and or all bids.

J. P. FERRILL, Clerk.

Bids close July 27, 1925.

Water-Works Improvement

Sealed proposals, addressed to City of Bradenton, care R. K. Van Camp, Commissioner Public Works, Bradenton, Florida, and marked "Sealed Proposal," will be received until 10 o'clock A. M. July 27, 1925, for furnishing material, equipment and labor and constructing one 250,000 Gallon Elevated Tank, 169,300 Lin. Ft. Cast Iron Water Mains, with necessary Fire Hydrants and Gate Valves.

Plans and specifications may be seen at office of Clerk and the Offices of Engineers. Specifications may be obtained from the Clerk upon payment of \$2.00.

The right is reserved to reject any and all bids.

CITY OF BRADENTON, FLORIDA.
R. K. VAN CAMP, Com. Pub. Works.
L. L. HINE, City Clerk.
E. V. CAMP & ASSOCIATES,
Consulting Engineers,
Atlanta, Ga.,
Bartow, Fla., Jacksonville, Fla.

Bids close July 22, 1925.

Water and Sewer Extension

High Point, N. C.
Sealed proposals or bids for the construction of certain water and sewer extensions in the city of High Point, N. C., will be received by the Mayor and City Council of said city at the City Hall until twelve o'clock noon of Wednesday, July 22, 1925, at which time and place they will be publicly opened and read aloud.

The principal items of the work are approximately as follows:

- 11,000 lineal feet 12-inch sewer.
- 2,000 lineal feet 10-inch sewer.
- 25,000 lineal feet 8-inch sewer.
- 2,650 lineal feet 10-inch, Class B, C.

I. Pipe Line.

- 1,000 lineal feet 6-inch, Class B, Water Main.
- 125 Manholes.

Information for Bidders, Specifications and Proposal Blanks may be obtained by prospective bidders by addressing the Engineer at High Point, N. C., and making a deposit of Ten Dollars, which deposit will be refunded upon the return of the specifications in good condition.

A properly certified check in the sum of Five (5) per cent of the amount bid, payable to the City of High Point, N. C., will be required with each bid.

The city reserves the right to reject any or all bids or to accept any bid it may deem to be for the best interests of the city.

H. A. MOFFITT, Mayor.
R. L. PICKETT, City Manager.
A. E. TAPLIN, Engineer,
High Point, N. C.

Bids close August 4, 1925.

Water-Works Improvements

Durham, N. C.
Sealed proposals will be received by the Mayor and Council of the City of Durham, N. C., up to 12 o'clock noon on Tuesday, the fourth day of August, 1925, for Water Works Improvements.

The work will embrace the furnishing of materials and labor for the construction of an extension to the present Mechanical Filtration Plant. The addition will be of reinforced concrete of five and one-third million gallons capacity per day and will include the necessary piping arrangements, mixing chamber, coagulating basins, etc., and a separate reinforced concrete clear water basin of approximately one million gallons capacity.

A new 24-inch cast-iron pipe line will be laid from the Filtration Plant to the city, approximately two and six-tenths miles long.

In addition to the materials required for the above items bids will be taken for five Venturi meters for pipe lines at 24 to 36 inches in size, and three motor-driven low-head centrifugal pumps of from 200 to 7000 gpm. capacity.

Bids will also be taken at the same time for furnishing the materials and installing the power and light wiring in the pumping and power station now under construction on Flat River.

Plans and specifications are on file with the City Clerk and blank forms of proposal, specifications, etc., may be obtained from the Engineer without charge.

Those desiring a full set of plans can obtain them from the Engineer upon the pay-

ment of \$15.00. Single prints may be obtained at \$1.00 each.

Certified check for three per cent (3%) of the amount bid for such items for which a proposal is made must accompany all proposals.

Bids will be opened in the presence of those interested, but the Council reserves the right to reject any or all bids.

By order of the Mayor and Council.

R. W. RIGHBY, City Manager.

WM. M. PIATT, Engineer,
Durham, N. C.

Bids close July 27, 1925.

Sanitary and Storm Water Sewer System

Sealed proposals, addressed to City of Bradenton, care R. K. Van Camp, Commissioner Public Works, Bradenton, Florida, and marked "Sealed Proposal," will be received until 10 o'clock A. M. July 27, 1925, for furnishing material, equipment and labor and constructing approximately 270,000 Lin. Ft. 6-inch to 15-inch Sanitary Sewer, with Manholes, Septic Tanks, and Flush Tanks; also 58,000 Lin. Ft. 12-inch to 36-inch Storm Water Sewer, with Manholes, Inlets and Catch Basins.

Plans and Specifications may be seen at office of Commissioner of Public Works and at office of Clerk, and may be obtained from Clerk on payment of \$10.00.

Right is reserved to reject any and all bids.

CITY OF BRADENTON, FLORIDA.
R. K. VAN CAMP, Com. Pub. Works.
L. L. HINE, City Clerk.

Bids close July 21, 1925.

Sanitary Sewers

Punta Gorda, Fla.
Sealed proposals will be received by the City of Punta Gorda, Florida, at the City Hall, for furnishing materials and labor for a sanitary sewer system in and for the City of Punta Gorda, Florida, until 8 o'clock P. M. July 21, 1925, at which time they will be opened and read publicly.

The principal items of the work are approximately as follows:

- 41,475 Feet 8-in. Pipe.
- 855 Feet 10-in. Pipe.
- 285 Feet 12-in. Pipe.
- 104 Manholes.
- 26 Flush Tanks.
- 21,240 Feet 6-in. Service Pipe.
- 44 Feet 6-in. Riser Pipe.
- 1,000 Feet Pavement.
- 9 12x6-in. Wyes.
- 20 10x6-in. Wyes.
- 1,583 8x6-in. Wyes.
- 10 6x6-in. Wyes.

Every bid must be accompanied by a certified check on a bank satisfactory to the city officials, or a bidder's bond satisfactory to the city officials for five (5%) per cent of the amount of the bid, drawn to the order of the City of Punta Gorda, Florida.

All bids will be compared on the basis of the Engineers' estimate of the quantity of work to be done. Copies of specifications may be obtained from Engineers upon receipt of a deposit of \$5.00, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers or at the office of the City Manager, or a set will be furnished upon payment of \$15.

The right is reserved to reject any or all bids, and the contract may be awarded in part to one or more bidders, as considered to be the best interest of the city.

CITY OF PUNTA GORDA, FLORIDA.

V. J. JORDAN, Mayor.
J. R. HACK, Commissioner.
A. P. HATCH, Commissioner.
M. C. PRICE, City Manager.

J. B. McCRARY ENGINEERING CORPORATION,
Engineers, Atlanta, Georgia.

Bids close July 23, 1925.

School Building

Estill, S. C.
Sealed bids will be received by M. M. Chisolm, Chairman Board of Trustees, Estill, South Carolina, until noon July 23, 1925, for the erection of a two-story brick school building. Plans and specifications may be secured from Scroggs & Ewing, Architects, Lamar Building, Augusta, Georgia, or from M. M. Chisolm, Chairman, Estill, S. C., upon satisfactory evidence of the ability and integrity of the contractors desiring to figure.

Bids close July 29, 1925.

High-School Building

Alexandria, La.
Sealed bids will be received until ten o'clock (10.00 A. M.) July 29, 1925, for the erection and entire completion of a Three-Story Fireproof High School Building, to be built in Alexandria, La., for the School Board of Rapides Parish, according to plans and specifications prepared by Favrot & Livaudais, Ltd., Architects, Hibernia Bank Building, New Orleans, La.

All prospective bidders must submit to J. W. Bolton, President of the Board, a financial statement. No applicant will be given plans until this financial statement has been approved by the President of the School Board.

Further information with reference to conditions for estimating may be obtained by addressing the architects.

Bids close July 27, 1925.

Gas Plant and Distribution System

Sealed proposals, addressed to City of Bradenton, care R. K. Van Camp, Commissioner Public Works, Bradenton, Florida, and marked "Sealed Proposal," will be received until 10 o'clock A. M. July 27, 1925, for furnishing labor and material and building carburetted water or oil Gas Plant and Distribution System and consisting of Two Generating Sets, 200,000 or 400,000 cubic feet; also 90,000 feet of Mains and 30,000 feet service line, with all necessary accessories.

Plans and Specifications may be seen at City Hall or at the offices of the Engineers, Atlanta, Georgia. Copies of Specifications and Plans can be obtained from the Engineers on depositing \$5.00 for each.

Right is reserved to reject any and all bids.

CITY OF BRADENTON, FLORIDA.
R. K. VAN CAMP, Com. Pub. Works.
L. L. HINE, City Clerk.
J. B. McCRARY, ENGINEERING CORP.,
Atlanta, Georgia.

Bids close July 22, 1925.

Water Filtration Plant

Corpus Christi, Tex.
Sealed Proposals for furnishing and installing the equipment for two filter units, each of a daily capacity of 1 million gals. and for sedimentation basins and mixing chambers in a new plant at Calallen, Texas, will be received by the Mayor and Board of Commissioners of the City of Corpus Christi, Texas, till 7 o'clock P. M. on the 22nd day of July, 1925, when they will be publicly opened and read.

Each bid to be accompanied by a certified bank check to an amount of not less than 5% of the total amount of the bid, made payable to the Hon. P. G. Lovenskiold, Mayor, as a guarantee that the bidder will execute the contract and a bond for the faithful performance of same in a sum of not less than 50% of the total bid, and also a maintenance bond for a period of one year in a sum of not less than 25% of the total bid, said bonds to be from a reliable Surety Company approved by the Mayor.

Plans and specifications on file with the City Secretary; copies may be obtained upon a deposit of \$25.00 to insure their return in good condition.

The City Commission reserves the usual rights to reject any and all bids.

J. T. WRIGHT,
City Secretary.

Bids close July 28, 1925.

Street Railway

St. Petersburg, Fla.
Sealed bids will be received until 12 noon July 28, 1925, at the office of the Boardman-Frazee Realty Co., 176 Central avenue, St. Petersburg, Florida, for the construction of approximately 2.6 miles of Street Railway, with the necessary appurtenances (not including the grading, which will be furnished).

Certified check for \$1000 will be required with each bid.

Plans and specifications can be obtained from the above firm.

The Boardman-Frazee Realty Co. reserves the right to reject any or all bids.

Bids close July 24, 1925.

Dragline Dredge

Moore Haven, Fla.

Sealed bids will be received until 2 P. M. July 24, 1925, by Glades County, Florida, for the purchase of one Caterpillar Dragline Dredge, one-yard capacity. The right is reserved to reject any and all bids.

N. S. WAINWRIGHT,
Clerk Circuit Court.

Bids close August 18, 1925.

Incinerator

Clarksdale, Miss., July 2, 1925.

The Mayor and Commissioners of the city of Clarksdale, Miss., will open sealed bids at 8 P. M., August 18, 1925, for furnishing materials and erecting a garbage incinerator capable of burning 10 to 15 tons of garbage per 12-hour day.

Each bidder will submit his plans, specifications and guaranty with bid addressed to City Clerk R. E. Stratton, Jr.

L. A. ROSS, Mayor.

Bids close August 11, 1925.

Paving Material

Bushnell, Fla.

Sealed proposals addressed to the Board of County Commissioners of Sumter County, Bushnell, Florida, and marked "Sealed Proposals," will be received until 11 o'clock A. M. August 11, 1925, to be opened immediately thereafter, for furnishing material, delivered f. o. b. cars at points in Sumter County, Fla., approximately as follows:

260,000 gallons asphalt.

7,800 tons crushed stone or slag.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check or bid bond issued through a local agency by a bonding company qualified to do business in the state, made payable to Sumter County, for 5 per cent of amount of bid.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted; otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Specifications may be seen at the office of the Clerk at Bushnell, Fla., and at the offices of the Engineers, and may be obtained from the Engineers at Bushnell, Fla.

W. N. POTTER, Clerk.

E. V. CAMP AND ASSOCIATES,
Consulting, Supervising and
Testing Engineers,
Atlanta, Ga.; Bartow, Fla.;
Jacksonville, Fla.

Bids close July 25, 1925.

Rock-Fill Dam

Pulaski, Virginia.

Sealed proposals will be received and publicly opened at 12 o'clock noon July 25, 1925, at the office of the Mayor, Pulaski, Virginia, for the construction of a Rock-fill Dam and Appurtenances. The following approximate quantities are involved: General excavation, 2400 cubic yards; Rock-fill, 18,800 cubic yards; Class "A" Concrete, 280 cubic yards; Class "B" Concrete, 680 cubic yards; Reinforcing Steel, 24,000 pounds; Piping, Valves, Specials and Appurtenances, 35,000 pounds. Pipe, Valves, Specials and Appurtenances will be furnished by the town f. o. b. cars Pulaski, Virginia.

Plans and specifications are on file at the office of the Mayor, Pulaski, Virginia, and at the office of S. B. Williamson, Consulting Engineer, National Bank Building, Charlottesville, Virginia. Plans and specifications may be obtained from S. B. Williamson upon deposit of \$15. The Engineer will be at the site of the work on July 17 and 24.

The Mayor and Council of the Town of Pulaski reserve the right to reject any or all bids.

E. W. CALFEE, Mayor.

S. B. WILLIAMSON, Consulting Engineer.

Bids close July 24, 1925.

Deep Well

Bartow, Fla.

Sealed proposals addressed to the City Commission, Bartow, Florida, and marked "Sealed Proposals for Deep Well" will be received until 2 P. M. July 24, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor and drilling and completing one deep well not less than 12 inches in diameter and about 750 feet deep in Bartow, Florida.

Each bid is to be on blank forms furnished by the Clerk and to be accompanied by a certified check for \$500, made payable to the City of Bartow, Florida.

Certified check will be forfeited as liquidated damage to the city if contract is not executed within time specified, if city accepts proposal, otherwise will be returned within ten days.

The right is reserved to reject any or all bids.

Specifications may be seen at the office of the Clerk. Specifications may be secured from the Engineers by payment of Three Dollars to cover cost of reproduction, which will be refunded when specifications are returned with a bona fide bid.

J. E. CHILDS, City Manager.

G. J. McNAMEE, Clerk.

E. V. CAMP AND ASSOCIATES,
Consulting and Supervising Engineers,
Bartow, Florida.

800,000 Yard Fill

Woods Brothers Construction Company desires proposals for pumping eight hundred thousand yards fill behind Gulfport Seawall. Work to be done in about one year. Communicate with

W. M. PETERS,
Gulfport, Miss.

Bids close August 12, 1925.

Pumping Plant Equipment

Bartow, Fla.

Sealed proposals addressed to the City of Bartow, Florida, and marked "Sealed Proposal" will be received until August 12, 1925, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain work approximately as follows:

EQUIPMENT FOR STEAM-DRIVEN ELECTRIC AND PUMPING PLANT ADDITION.

- 2 Water Tube Boilers and Superheaters.
- 2 Boiler Feed Pumps.
- 1 1000 K. W. Turbine Driven Generating Unit.
- 1 Surface Condenser and Auxiliaries for above.
- 2 1000 G. P. M. low head, Centrifugal Pumps.
- 1 1500 G. P. M. high head, Centrifugal Pump.

EQUIPMENT FOR DIESEL ENGINE-DRIVEN ELECTRIC AND PUMPING PLANT ADDITION.

- 2 600 H. P. Diesel Engines.
- 2 400 K. W. Direct Connected Generators and Exciters.
- 2 1000 G. P. M. low head, Centrifugal Pumps.
- 2 1500 G. P. M. high head, Centrifugal Pumps.

Switchboard Additions.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check or bid bond issued through a local agency, by a bonding company qualified to do business in the state, made payable to City of Bartow, for five per cent of bid.

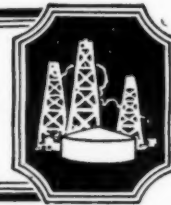
Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Plans and specifications may be seen at the office of the Clerk and the offices of the Engineers, and specifications may be obtained from the Clerk upon payment of \$2.00 to cover cost of reproduction.

G. J. McNAMEE, Clerk.

E. V. CAMP AND ASSOCIATES,
Consulting and Supervising Engineers,
Bartow, Florida.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES****NORTHWEST GEORGIA.**

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

COAL AND TIMBER LAND

FOR SALE—Large Coal Acreage, with mines in operation. Splendid Coal and Timber tracts. CHEAP. Easy Terms.

Factory sites on 3 railroads, no city taxes, cheap fuel, plenty raw materials; good lime rock on R. R.'s for crushed stone or cement. Pure Free Stone Water, Non-union Labor.

THE U. S. REALTY CO.,
John H. Hatfield, Mgr.
HARRIMAN, TENNESSEE.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

GRANITE QUARRY

FOR SALE or Lease, on Royalty basis, open quarry fine blue gray monumental granite. Also unlimited amount of granite for paving blocks or crushing. Address
P. O. BOX 305, Winnsboro, S. C.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**MINERAL AND TIMBER PROPERTIES WANTED**

WANTED.

TO HEAR from parties having mineral properties for sale.
UNITED MINERALS CO., Roanoke, Va.

TIMBER AND TIMBER LAND

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements. NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida.
H. H. WEFEL, JR., Mobile, Alabama.

FOR SALE—Thirty to forty million feet North Carolina pine timber. Near railroad and water shipping stations. Would sell either timber or timber and land. Especially suitable for colonization projects.
W. D. MATTHEWS, Vass, N. C.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TIMBER AND TIMBER LAND

I HAVE FOR SALE some large tracts of timbered and cut-over lands. Wire me for particulars. W. B. Luke & Company, Kissimmee, Fla.

FARM AND TIMBER LAND

FOR SALE in Fee Simple—Two tracts of fine farming lands covered with second growth pine and hardwood timber, not shrubby stuff; nice, long-bodied timber; priced right, easy terms. J. U. Yeldell, Swartz, La.

FOR SALE—10,800 acres Hamilton County, one and one-half miles east of Jasper, the county seat. Will sell in fee simple, which includes nine million feet of timber, and we have had several offers for a turpentine lease. Price is \$16 per acre, one-third down, balance one to four years, 6% interest, \$15,000 binder, sixty days to close.

HOYT E. MORRIS, Owner,
Vero Beach, Fla.

FOR SALE—152½ acres. This river-frontage acreage is just above the bridge on state road No. 1 and north of the point where the Withlacoochee River empties into the Suwannee River. The shore line is high, the timber is hardwood and because of its location this property will bring \$100 per acre in sixty days. Location, northwest quarter, lot No. 3 of section 7, township 1, south range 12, East Hamilton County. Price \$45 per acre. Terms one-third down, balance one, two and three years, 6% interest, \$500 binder.

HOYT E. MORRIS & CO.,
Exclusive Agents, Vero Beach, Fla.

FOR SALE—523 acres, with high bluff 30 to 60 feet high, frontage one and one-half miles on Suwannee River, covered with hardwood timber. Part of the back land has been farmed for several years. Has one mile frontage on hard road from Live Oak to Perry, Fla.; also has railroad siding on property. High and dry; not one acre low land on tract. Location, parts of sections 17, 18, 19, 20, range eleven, township 3, section 25, township 3, range 10, Hamilton County. Price \$45 per acre; one-third down, balance one, two and three years; 6% interest, \$1000 binder. Brokers corporate.

HOYT E. MORRIS & CO.,
Exclusive Agents, Vero Beach, Fla.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

FOR SALE—High-grade cut-over pine lands, in cultivation and raw, especially suited for peach orchard. Have fifty thousand peach trees bearing now; Monroe County, Alabama. Correspondence solicited.

BLACKSHER CO.,
Mobile, Ala., Mobile Co.
BLACKSHER STORE CO.,
Uriah, Ala., Monroe Co.

FLORIDA

240 ACRES on Dixie Highway, with river frontage, 160 miles south of Jacksonville; ideal subdivision.

C. R. Jenkins, Sharpes, Florida.

S. J. OVERSTREET, Realtor
Walker Apartment Building,
Titusville, Florida.
City Property. Farms. Groves. Acreage.
Nothing but Real Estate.

SARASOTA, FLORIDA.

Attractive offerings in Acreage Tracts and Lots in Sarasota and Suburbs.

For further information address
DEAN-TYLER COMPANY, INC.,
REALTORS.

FLORIDA BARGAIN—5000 acres, Jackson County, Florida, solid body with roads, railroad and beautiful, clear river. Excellent lands for farming, fruits, pecans, dairying and stock-raising. Lands are high and rolling, with good clay subsoil. Price \$25 per acre. Terms: On-third Cash and balance in one, two and three years at 6%. Address Theodore R. Jones, Owner, 306 Smith Building, Orlando, Florida.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

SEE MR. FOSTER—Listings wanted direct from owners of acreage, colonization and timber tracts, Indian River and ocean frontage. We have numerous clients and have inquiries for all kinds of Florida land. P. J. Sexton, Melbourne, Florida.

FLORIDA INVESTMENTS—In the heart of the famous Indian River citrus fruit section. We have some especially good bargains in citrus groves from ten to two hundred acres. Also undeveloped acreage and river frontage. A. A. Taylor, Shiloh, Florida.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

FLORIDA INVESTMENTS — Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. ASK ANYBODY. N. D. SUTTLES & COMPANY, Jacksonville and West Palm Beach, Fla.

FLORIDA—The Land of Flowers; no state income or inheritance taxes ever. TAMPA—Florida's Largest City, 1925 States Census. Send today for Booklet and List of Investments, Homes, Groves and Farms. Tampa-West Coast Realty Co., Inc., Opp. Postoffice, "Since before the War," Tampa, Florida.

YOU CAN ALWAYS RELY ON A REATLOR
LOVELAND & TANNER,
REALTORS.

PALATKA, FLORIDA.

Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates, 3 railroads and St. John's River steamers to New York. Ask for booklet.

FLORIDA INVESTMENTS MANATEE COUNTY

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.,
Bradenton, Fla.

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the opportunity to share
in her immense wealth.
Invest your money here
now

in REAL ESTATE
the safest investment
in the world.

Buy now.
and buy until it hurts.

Let us serve you
Competent Complete Sincere Service

to

Buyer and Seller.
A. A. WHITE & COMPANY,
27 S. E. 1st Avenue,
Miami, Florida.

GREATEST LAND BUY IN FLORIDA.

Fifteen Thousand Acres in South Florida in a solid body, with six miles frontage on large and beautiful lake.

Direct water connection to Atlantic Ocean and Gulf of Mexico.

Near several up and going towns.

Fertile, dark loam soil, adapted to production of celery, lettuce, cucumbers, Irish potatoes, sugar cane, bananas, etc.

Game in abundance, such as deer, turkey, duck, squirrel, quail and snipe.

Finest bass fishing in the state.

A sportsman's paradise, with great possibilities for future development. A good investment at \$14 per acre.

J. E. CRAWFORD,
1001 State Bank Building, Orlando, Florida.

FARM, FRUIT AND TRUCK LANDS

MISSISSIPPI

MISSISSIPPI GULF COAST

The Mississippi Gulf Coast is on a great boom, property values are advancing over night, thousands of dollars' worth of property is changing hands daily. Buyers are here from all over the United States. The reason is, we have the most beautiful coast line in America, healthy and good all-the-year-round climate.

Have been in the real estate business here nineteen years and am in position to satisfy your every want.

Write for illustrated booklet.

B. C. COX,
Gulfport, Mississippi.

NORTH CAROLINA

785 ACRE Peach Orchard Tract in the Sand Hill district North Carolina, 270 acres already in orchard, in bearing next year; 3 good tenant houses; tractor shed and feed barn; 3 tractors; fertilizer distributor and Ford truck included. 100,000 ft. long leaf pine on part of property. Address F. C. ABBOTT & COMPANY, Charlotte, N. C.

BUSINESS OPPORTUNITIES

INVENTOR of coin controlled gasoline vending pump wishes to form connection for its manufacture and sale. H. M. Walker, 331 State St., New Orleans, La.

BASKET FACTORY—Exceptional opportunity for basket company to establish branch factory in successful peach-growing region in East Tennessee. Local growers will co-operate and local market will require 200,000 baskets or more. Practically no local competition. Address for particulars Tennessee River Improvement Association, 205 Third street, S. E. Washington, D. C.

FOR SALE IN STAUNTON, VA.—Sited on West Main street, on trolley line to B. & O. and C. & O. Railroads, the substantially built, thick wall, hard brick, well lighted two-story-and-basement BODLEY AUDITORIUM-COLLEGE BUILDING. Each story containing approximately 7000 square feet of floor space, suitable for manufacturing or school purposes or both. A college town; abundant labor; no strikes. Price to quick buyer \$13,000 cash. JAMES W. BODLEY, Gettysburg, Pa., care National Cemetery.

FOR SALE—Large Napier Grass feed mill, mill house and equipment, situated on railroad; also 1200 acres of land (450 acres in Napier Grass). Napier Grass makes a fine dairy feed and a filler for sweet feeds and has a ready market in the South. Plenty of cheap acreage to be had adjoining this property, suitable for raising Napier Grass, which makes more tonnage than any other grass in the South (about seven times as much as alfalfa). The growing of Napier Grass has great possibilities for making dairy feed and meal for sweet feeds. For further information address

ESTES & STURDIVANT,
Florala,
Alabama.

INVESTOR IN PROFITABLE BUSINESS is desired, with privilege to him to become Officer and Director of Steel Rolling Mill located in Southeast.

Plant is ready to begin the rolling of railroad rails into Reinforcing Concrete Bars and other structural shapes. It has assets worth over \$400,000, but needs additional capital of approximately \$200,000.

Abundant supply raw material available. Plant enjoys advantage of \$2.00 per ton in cost of raw material over Northern and Eastern mills. Decrease in lumber supply and enormous mileage of Road Building projected is causing daily increase in Concrete Construction. Nearest Rolling Mill to markets of Georgia, North Carolina, South Carolina and Florida. Two months' output of mill sold in advance of beginning operations. Handsome profit on investment assured. Write or wire. No. 6483, care of Manufacturers Record, Baltimore, Md.

BUSINESS OPPORTUNITIES

GOOD DEAL given for help to develop town. I own 640 acres that two railroads and Federal State Highways cross in south-east Oklahoma, surrounded by coal, oil, gas and farms. J. E. Cavanagh, McAlester, Okla.

FOR SALE, at a sacrifice, complete brick plant with exceptional advantages for shipping, labor, fuel, etc.; large deposit of clay yielding very hard brick with pretty run of colors; also two and one half million feet of pine timber. All located near a rapidly developing tourist town. Address Bank of Dorchester, Summerville, S. C.

PATENTS

U. S. PATENT, issued June 23, 1923, No. 1543241. Canada No. 246388. "Wright's Rotary Flour-bin" novel invention, three in one! Has separate compartments for various kinds of flour or grain. Manufacture cheap, of sheet metal. Rodent proof. Fortune for live wire! Attie Wright, (inventor), Marshfield, Wisconsin.

HOTEL

FOR RENT OR SALE IN A MARYLAND TOWN OF FIFTEEN THOUSAND POPULATION

A substantial Brick Building, well maintained and in an excellent condition. Building is heated throughout and equipped with fire walls and fire escapes. Toilet and Baths. Electric Lighting System. Twenty-eight Bedrooms. An attractive entrance. Beautiful Lobby and Dining Room. Well arranged Kitchen. Located within five minutes walk of two steamboat wharfs and two railroad systems. Located on State Highway within sixty minutes' ride of Ocean City, Maryland. Write for information to the Owner.

THOMAS H. MITCHELL,
207 Lake Street, Salisbury, Maryland.

COLLECTION

WE COLLECT accounts, Notes, Claims, anywhere in world. No charge unless collected. Bank references. MAY'S COLLECTION AGENCY, Somerset, Ky.

INDUSTRIES WANTED

COLUMBUS, GA., offers exceptional opportunities in many lines. Hydro-electric power, native labor, rail and water transportation, ten deep-water ports close by, tax exemption, friendly public sentiment. Write the **NEW INDUSTRIES COMMITTEE**, Post-office Box 1220, Columbus, Ga.

BOX AND CRATE FACTORY—Big local demand in Columbus among textile industries for shipping cases; fruit and vegetable centers near by require crates. Hydro-electric power, native labor, rail and water transportation, tax exemption. For full particulars address **NEW INDUSTRIES COMMITTEE**, P. O. Box 1220, Columbus, Ga.

SYLVESTER, GA., population 2500, wants cotton factories, crate and box factory, peanut products factory and other industries. County site of agricultural county with population of 23,000. Hydro-electric power, two railroads, one cotton mill in vicinity. Cotton, peanuts, tobacco and fruits grown. Address **KIWANIS CLUB**, Sylvester, Ga.

DUNGANNON, VIRGINIA. Located on the C. & O. Railroad; direct route to the cotton fields and Clinch River, with a gravity flow of 36,000 gallons per minute at low-water mark. Limestone adjoining on the south side and coal adjoining on the north side. Rich and thickly settled farming.

THE HAGAN TRUSTEE SYNDICATE,
Bristol, Va.

PULASKI, VIRGINIA. Population 7000, all native American. Abundance of Hydro-Electric Power available at reasonable rates for manufacturing purposes. Located in famous Southwest Virginia. Good shipping conditions, fine climate, excellent living conditions. Town modernly improved. Fine churches and schools. Special inducements offered to new industries. Address E. W. Calfee, Mayor.

INDUSTRIAL PROPERTY

WAREHOUSE SITE

RAILROAD SIDING
WASHINGTON, D. C.
800-Foot on B. & O. Suitable
For Gravity, Handling of Oil, Etc.
WEAVER BROS.
735 15th St., N. W.,
WASHINGTON, D. C.

INDUSTRIAL PLANTS

FOR SALE—Brick Warehouse, metal roof, 150x175, on railroad.
J. T. ANDERSON,
Box 444, Athens, Ga.

FACTORY BUILDING FOR SALE.

Two-story brick and steel, first floor concrete, 18,000 ft. floor space, water, electric lights, power and elevator, fronting B. & O. Railroad; ideal location for small manufacturing plant. Practically new, price about half cost to erect now.

J. E. GARDNER, Keyser, W. Va.

FOR SALE—**LUMBER BUSINESS**. Going lumber business, with well-equipped planing mill, dry kiln and circular sawmill, in the growing industrial city of Anniston, Ala. Retail Building Material yard now operating in connection with planing mill. Fine opportunity for Northern Yard or House Building Contractor to have a source of supply, as plenty of logs and lumber available in short shipping distance.

P. O. BOX 398, ANNISTON, ALA.

FACTORY SITES

FOR QUICK SALE—Corner lot, 231 feet frontage, almost block, trackage, manufacturing section. Wire or write
T. W. HANSON, Montgomery, Alabama.

EXCELLENT FREE location, for either cotton-mill or soil-pipe factory, will be donated by citizens of Pell City, Ala. Write Chamber of Commerce, Pell City, Ala.

LEXINGTON, KENTUCKY.

Growing city, 50,000 population, has special advantages for manufacturers seeking locations. For information write Lexington Board of Commerce.

FOR SALE—Situated in Greenville, S. C., the Textile Center of the South, with twenty-one Cotton Mills and high-class native labor; one hundred and six (106) acres of land, one-half mile from Southern Railway Yards and two miles from Southern Depot on Southern Road. Old roadbed of Southern already graded for side track. A branch affording water at all times. A good grade of granite can be gotten out on the place. An ideal spot for an industry of any kind. If sold for a Cotton Mill site will take a large part of the payment in stock in company. T. A. Honour, Room 206 Emaxcee Building, Greenville, S. C.

FOR SALE—200 acres of land and improvements thereon, located near one of the largest cities of Georgia on one of the principle county roads.

City and county tax exemption for new industries for five years.

Hydro-electric power at reasonable rates; 80,000 additional H. P. now being developed.

Labor conditions good.

Three-eighths of a mile railroad frontage. Large creek running through property.

Inexhaustible supply of sand and gravel for building purposes.

For further particulars, address No. 6482, care Manufacturers Record.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.

PATENT ATTORNEYS

PATENTS—TRADEMARKS—COPYRIGHTS
Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our Inspection and Instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandlee & Chandlee, 412 Seventh St. N. W., Washington, D. C.

MANUFACTURERS AGENTS

TO CALL on Contractors, Architects, and Builders, to sell cement mixing compounds, cement coatings and technical compounds. No. 6480, Manufacturers Record.

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalamain Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

AGENCIES WANTED

WE ARE PREPARED

to take over your entire sales in this territory, carry stock, act as your distributing center, finance and otherwise promote the sale of your product. Our 230-foot warehouse, located on railroad siding, equipped with electric cranes, prepared to handle any class of material. Would open New York office, if desired.

POWER MACHINERY EXCHANGE, INC.

1 Montgomery Street,

Jersey City, N. J.

SITUATIONS WANTED

EXPERIENCED Pine and Hardwood Lumberman wants position as manager of Pine, Hardwood or mixed operation. Experienced from stump to market and can produce lumber at minimum cost. Address No. 6475, care Manufacturers Record, Baltimore, Md.

CONTRACTORS' SUPERINTENDENT and Engineer desires position; 10 years' experience. Road work, grading and hard-surface. Good estimator, manager and producer. A-1 reference. Address No. 6484, care of Manufacturers Record, Baltimore, Md.

SUPERINTENDENT 41, technically trained, 19 years practical experience in design construction and operation of crusher, washer and concentrating plants, power installation, competent quarry and pit operation, efficient training and organizing of operating crews, available now. A 1 references. Address No. 6478 care Manufacturers Record, Baltimore, Md.

MEN WANTED

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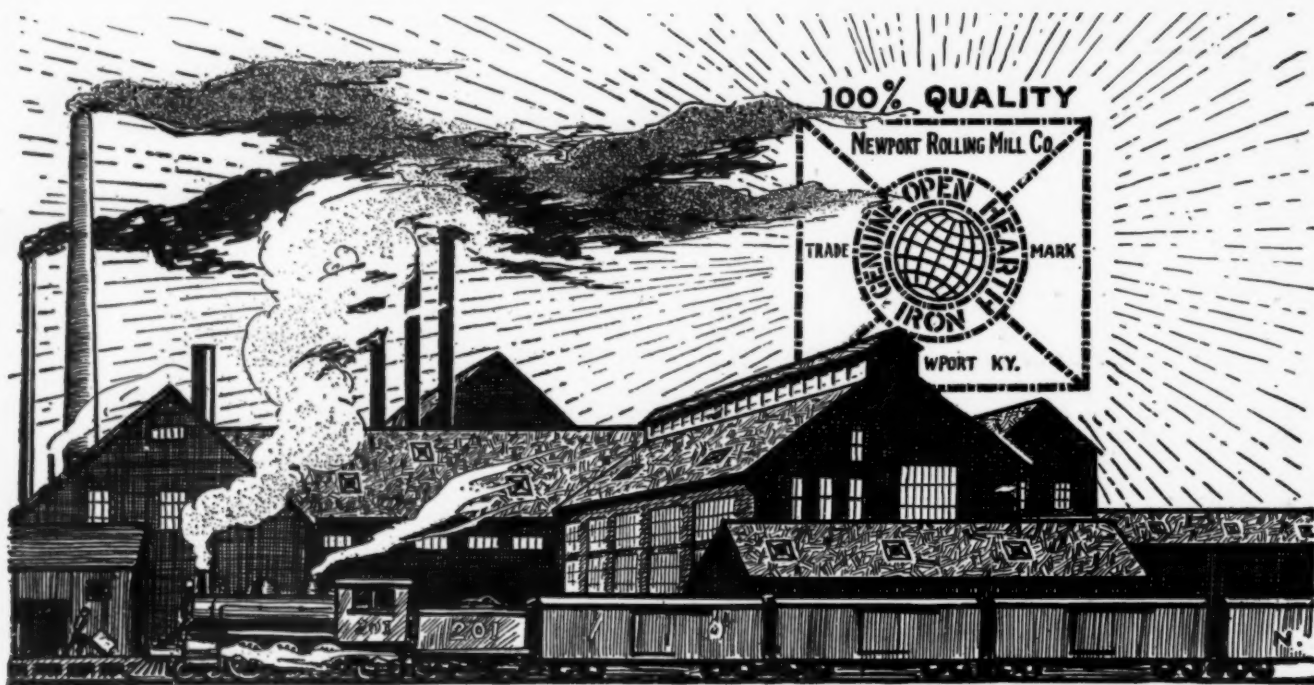
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The Use of a Roof

Its job is to keep out the rain, snow, damp and cold, keep in warmth in Winter, and to provide cool shade in Summer.

A good roof is a *rara avis*. In most places it is considered an impossibility and roof troubles are taken in a matter-of-course fashion. Where it is known its praises are unsung. Since it never gives trouble, it is never the topic of discussion. It suffers from the monotony of perfection.

All good roofs are not covered with "Genuine Open Hearth Iron," but all roofs covered with "Genuine Open Hearth Iron" sheets are good roofs. The reason for this is in the metal and the way it is worked. The metal is practically pure iron, as nearly pure as is commercially pos-

100% QUALITY



sible. Genuine Open Hearth Iron will analyze approximately 99.875 pure, taking into consideration the five impurities, namely, Carbon, Manganese, Sulphur, Silicon and Phosphorus. And these are the most dangerous and most active rust and corrosion agents. The sheets are worked slowly through the manufacturing process, almost twice as slowly as sheets ordinarily are. As a result, the metal is not tortured or strained.

Genuine Open Hearth Iron can be had in any standard gauge thickness, galvanized, painted or black, and in any quantity.

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